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FIFTEENTH ANNUAL REPORT

RELATING TO THE REGISTRY AND RETURN OF

BIRTHS, MARRIAGES, AND DEATHS,

IN

MICHIGAN FOR THE YEAR 1881.

BY THE

SECRETARY OF STATE

OF THE

STATE OF MICHIGAN.

BY AUTHORITY.

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MICHIGAN
DEPARTMENT OF STATE,
OFFICE OF THE SECRETARY,
LANSING, *April 18, 1884.*

HON. JOSIAH W. BEGOLE, *Governor of Michigan*:

SIR,—I have the honor to submit herewith the Fifteenth Annual Report relating to the Registration and Return of Births, Marriages, and Deaths in Michigan during the year ending December 31, 1881.

With the accompanying tables and exhibits appear such introductory remarks and computations as seem suitable to assist the reader in the study of them, and as aids in reaching correct conclusions.

The subjects presented for consideration in the present volume are as usual those concerning the deepest social interests of our people, namely, that of the natural increase of our population, the social element of marriage, and the subject of mortality. An effort has been made to collect and classify, in the most perfect manner, all the evidence obtainable relating to these subjects. This is done in order to facilitate their study, and the examination of the forces and combination of forces and their laws, both physical and social, that are continually influencing the particulars of which they treat. It is to the work of unfolding these laws and of illustrating these principles that the returns of births, marriages, and deaths of a people are of great assistance. Without these aids, problems concerning the growth and decay of the race would lack essential conditions for their solution. Every year adds to the general fund of information in regard to these most important subjects.

In dealing with the abstract numbers of births, marriage, and deaths it is highly important to take into consideration the population in which those events occurred. It is necessary to know something concerning the living people in any State in order to arrive at correct comparisons of the vital statistics of that State. This is done as far as circumstances would permit in the present work.

The natural increase of population in Michigan, or excess of births over deaths, during the year 1881, was 15,511. The number of marriages solemnized in Michigan in 1881 was 14,847, an increase of about 700 over that returned for the preceding year. About 60 per cent. of the marriages were where both parties were born in the United States, and where both parties were foreign-born it was about 18 per cent. A considerable proportion of the

marriages were among parties where one was native-born and the other foreign-born.

There were 19,238 deaths returned to this Department for the year 1881. Of the fifteen principal causes of deaths, shown on page 247, diphtheria stands first in order, 2,063 deaths being returned from this disease alone, a larger number than ever before reported in Michigan. The same number of deaths from diphtheria occurred among both males and females.

On page 160 it will be seen that there is a decided reduction in the mortality-rate in each of the five general classes as compared with the average for ten years ending with 1880, with the single exception of the zymotic class, which shows an increase of eight per cent. The most important decline, as compared with the average for the ten years, is in the constitutional class, the ratio in 1881 being 14.21, while for the average of ten years it is 17.22 per cent. of the deaths from all causes. A diminution in almost the same degree marked the number and per cent. of mortality from diseases called local. Deaths by violence were nearly the same, in number and in proportion, in 1881 as in the average. The various diseases which compose each class may be seen in table XVI., page 164.

This volume of vital statistics adds one more to the list already published in this State, and is presented to the people of Michigan with the sincere wish that it may prove of interest and value.

Respectfully submitted,

Secretary of State.

BIRTHS, MARRIAGES, AND DEATHS,

IN MICHIGAN,

DURING THE YEAR 1881.

The accompanying tables and exhibits constitute the Vital Statistics of Michigan for the year 1881, and the Fifteenth Annual Report of the Secretary of State on this subject.

It appears from the first exhibit, where a concise statement is made of the registration for the year 1881, that there were returned to the State Department 34,749 births, 14,847 marriages and 19,238 deaths. An opportunity is also afforded for comparison with the previous years in each of these divisions of births, marriages, and deaths. It is seen that the births are 574 less than the number returned for the year 1880, 627 more than the number returned for the year 1879, etc. The average number of births for the ten years 1872–1881 is 33,270.

The total number of marriages returned in 1881 was 14,847, which is 187 more than is returned for the year 1880, and is the largest number ever reported for a single year. The average annual number of marriages for the ten years 1872–1881 is 12,671, which is 2,176 less than the number returned for the year 1881.

The number of deaths returned for the year 1881 is 19,238, which is greatly in excess of that for any previous year. As compared with those recorded in 1880, this number shows an increase of 3,136, and it is 6,176 more than the average annual number for the previous ten years (1871–1880). The cause of this large increase in the number of deaths is greatly the result of the fatal epidemics of diphtheria, scarlet fever, and other diseases. From diphtheria alone there were returned 2,063 deaths, which is 521 more than the number recorded for 1880.

We see, then, that the number of births returned for 1881 is some less than those recorded for 1880, while the marriages and deaths show a marked increase. The natural increase of population, or excess of births over deaths, is 15,511, or 3,710 less than in 1880. When the births and deaths are corrected for omissions in the enumeration the excess of births over deaths is 22,413, which is undoubtedly nearer the true number than the other, as the average annual excess of births over deaths, as returned for the previous ten

years, 1871–1880, is 19,332, which shows that the year 1881 is far below an average one as regards the natural increase of population.

EXHIBIT A.—*Births, Marriages, and Deaths Returned as having occurred in Michigan during each of the Years 1876 to 1881, inclusive, including those in unknown month, as Returned, and as Corrected for Omissions in the Enumeration.*

		1876.	1877.	1878.	1879.	1880.	1881.
As Returned.	Marriages[a]	11,893	11,844	12,829	13,816	14,660	14,847
	Births	34,235	33,395	35,162	34,122	35,323	34,749
	Deaths	12,576	12,919	12,766	14,407	16,102	19,238
	Excess of Births over Deaths	21,659	20,476	22,396	19,715	19,221	15,511
As Corrected for Omissions.	Births	45,172	50,203	52,145	50,100	50,643	49,800
	Deaths	18,389	18,341	18,866	20,583	26,256	27,387
	Excess of Births over Deaths	26,783	31,862	33,279	29,517	24,387	22,413

[a] Corrected, for additional returns, up to Feb. 8, 1883.

In the following exhibit are presented many important relations between the births, marriages, and deaths to the population of the State. Any study of the abstract numbers of births, marriages, and deaths, would be very unsatisfactory, which did not include some statistics of the population where those events took place. The census returns of 1880 are used in making the calculations for the year 1881, and the increase in the population must be taken into consideration when the observations are compared with those of the previous year. In making this allowance it should be borne in mind that the computations are made on the same basis of population. The average annual rate of increase in the population between the years 1870 and 1880 was 3.291 per cent. This is undoubtedly a near approach to the rate for the present year, and this being true, the estimated population of Michigan for the year 1881 is 1,690,809, an increase of 53,872 over the actual population in 1880.

EXHIBIT B.—*Statements concerning Births, Marriages, and Deaths in Michigan during the Years 1876–1881, inclusive.*

	1876.[a]	1877.[a]	1878.[a]	1879.[a]	1880.[b]	1881.[b]
Inhabitants represented by returns of marriages to one marriage[c]	112.07	112.48	103.99	96.54	111.66	110.29
In population represented by marriages, males to one marriage	58.56	58.78	54.34	50.45	58.82	58.06
In population represented by marriages, females to one marriage	53.51	53.70	49.72	46.09	52.83	52.17
Inhabitants represented by births to each child returned	38.56	39.82	37.78	38.76	46.07	46.49
Inhabitants, males to each male child returned	38.86	40.33	38.09	38.90	46.61	47.82
Inhabitants, females to each female child returned	38.38	39.42	37.60	38.71	45.65	46.08
Inhabitants represented by deaths to one death	104.74	102.28	103.32	91.49	100.86	84.31
Inhabitants, males to one death of male	101.84	101.08	103.83	91.53	98.86	83.13
Inhabitants, females to one death of female	109.21	104.51	103.64	91.95	103.84	86.28
Deaths, males to 100 females	117.27	113.03	109.04	109.84	116.67	115.19
Births, males to 100 females	108.05	106.94	108.02	108.83	108.79	107.18
Total population of State, males to 100 females	109.47	109.47	109.47	109.47	111.33	111.33
Births to one death	2.72	2.58	2.75	2.37	2.19	1.81
Births, males to one death of male	2.63	2.52	2.75	2.36	2.13	1.75
Births, females to one death of female	2.85	2.67	2.77	2.38	2.28	1.88
Children born of which the sex was unknown or not stated	56.00	59.00	67.00	48.00	62.00	61.00
Decedents of which the sex was unknown or not stated	59.00	52.00	52.00	37.00	47.00	65.00
Natural daily increase of population, as per births and deaths returned	59.34	56.10	61.35	54.01	52.52	42.49
Natural daily increase of population, when returns are corrected as in 4th line of exhibit A, page 6, and exhibit C, page 110	73.38	87.29	91.17	80.95	66.63	61.41

[a] In computing statements for this column, the inhabitants in 1874 were used.
[b] In computing statements for this column, the inhabitants, June 1, 1880, were used.
[c] Marriages, corrected for additional returns up to Feb. 8, 1883.

Table I. shows the number of births, marriages, and deaths in Michigan for certain specified periods of time during the year 1881. It is seen that the daily average of births is 95.20; the daily average of marriages is 40.68; and the daily average of mortality is 52.71, while the daily natural increase of population, or excess of births over deaths, is 42.49.

It is also seen from exhibit B that one child was born to every 46.90 persons, that one marriage was solemnized to every 110.25 persons, and that one death occurred to every 84.31 persons.

The birth-rate then is 21.28 to every 1,000 of population, the marriage-rate 9.09, and the death-rate 11.90 to every 1,000 of population. The above figures would be modified somewhat if the estimated inhabitants for 1881 were used instead of the actual population of the State in 1880.

TABLE I.—*The number of Marriages, Births, Deaths, and Excess of Births over Deaths in the State of Michigan during the Year 1881, and the Average Number and Excess during Specified Periods of Time within the Year as Returned, and the same for Births and Deaths as Corrected for Omissions in the Enumeration.*

	PERIODS OF TIME,—1881.	Marriages, 1881.	Births, 1881.	Deaths, 1881.	Excess of Births over Deaths.
As Returned.	Year, 1881[a]	14,847.00	34,749.00	19,238.00	15,511.00
	Quarter	3,711.75	8,687.25	4,809.50	3,877.75
	Month	1,237.25	2,895.75	1,603.17	1,292.58
	Week	285.55	668.25	369.96	298.29
	Day	40.68	95.20	52.71	42.49
Births and Deaths as Corrected.[b]	Year, 1881[b]	.....	49,800.00	27,387.00	22,413.00
	Quarter	.....	12,450.00	6,846.75	5,603.25
	Month	.....	4,150.00	2,282.25	1,867.75
	Week	.....	957.69	526.67	431.02
	Day	.....	136.44	75.03	61.41

[a] Unknown month included.
[b] Corrected as enumerated in months of occurrence.

Exhibit 1 gives, by months, the number of births, deaths and excess of births over deaths for each of the years 1876–1881. As will be seen, the average excess for the nine years is much larger than the excess for the year 1881. In the average for nine years the largest excess appears for the month of December, while in the year 1881 the largest excess is in the month of March.

EXHIBIT 1.—*By Months, the Births, Deaths, and Excess of Births over Deaths, according to the Returns, in Michigan during each of the Years 1876 to 1881, inclusive.*

		Total.[a]	Months.											
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1876	Births	34,131	2,283	2,352	2,744	2,730	2,870	2,739	3,014	3,124	3,110	3,039	2,921	3,205
	Deaths	12,545	685	800	975	978	970	855	1,079	1,507	1,423	1,131	989	1,153
	Excess of births	21,586	1,598	1,552	1,769	1,752	1,900	1,884	1,935	1,617	1,687	1,908	1,932	2,052
1877	Births	33,324	2,212	2,246	2,690	2,655	2,683	2,657	2,899	3,227	3,048	3,015	2,847	3,145
	Deaths	12,863	766	843	990	978	976	875	1,040	1,559	1,400	1,221	1,060	1,155
	Excess of births	20,461	1,446	1,403	1,700	1,677	1,707	1,782	1,859	1,668	1,648	1,794	1,787	1,990
1878	Births	35,130	2,201	2,414	2,836	2,937	2,805	2,797	2,835	3,295	3,260	3,266	3,061	3,423
	Deaths	12,742	730	789	930	1,029	923	870	1,017	1,371	1,343	1,190	1,181	1,369
	Excess of births	22,388	1,471	1,625	1,906	1,908	1,882	1,927	1,818	1,924	1,917	2,076	1,880	2,054
1879	Births	34,092	2,429	2,331	2,758	2,706	2,842	2,626	3,018	3,198	3,149	3,036	2,766	3,233
	Deaths	14,366	903	992	1,114	1,174	1,083	902	1,183	1,537	1,403	1,286	1,268	1,521
	Excess of births	19,726	1,526	1,339	1,644	1,532	1,759	1,724	1,835	1,661	1,746	1,750	1,498	1,712
1880	Births	35,323	2,355	2,513	2,850	2,824	2,880	2,772	3,011	3,285	3,278	3,173	3,068	3,278
	Deaths	16,102	860	1,002	1,149	1,289	1,166	1,036	1,527	1,780	1,676	1,471	1,486	1,617
	Excess of births	19,221	1,495	1,511	1,701	1,535	1,714	1,736	1,484	1,505	1,602	1,702	1,582	1,661
1881	Births	34,719	2,393	2,432	2,835	2,805	2,887	2,712	3,027	3,313	3,204	3,078	2,854	3,179
	Deaths	19,172	1,065	1,078	1,315	1,427	1,457	1,276	1,701	2,246	2,301	1,941	1,617	1,748
	Excess of births	15,547	1,328	1,354	1,520	1,378	1,430	1,436	1,326	1,067	903	1,137	1,237	1,431
Monthly averages of excess for 1873 to 1881, inclusive		19,768	1,413	1,382	1,639	1,599	1,698	1,718	1,736	1,647	1,643	1,725	1,714	1,856

[a] Unknown month excluded.

EXHIBIT 2.—*Births Returned as having occurred in Michigan, by Months, during the Year 1881, and Marriages and Deaths during Months of Conceptions of the Births,—all Months Equalized to Uniform length of 30.44 days.*

	Total.[a]	Months,—1881.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Av. Mo.
Births, 1881, equalized to months of uniform length....	34,730	− 2,350	− 2,644	− 2,784	− 2,846	− 2,835	− 2,752	+ 2,973	+ 3,254	+ 3,251	+ 3,023	+ 2,896	+ 3,122	2,894
Births, 1881, corrected for omissions in enumerating, and equalized to months of uniform length.	49,817	-- 3,941	+ 4,321	+ 4,432	+ 4,412	+ 4,274	− 4,032	+ 4,239	+ 4,492	+ 4,352	− 3,918	− 3,631	− 3,782	4,151

	Total.[a]	Months,—1880.									1881.			
		Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Av. Mo.
Marriages,[b] equalized to months of uniform length ...	14,746	− 1,159	− 1,020	− 1,033	− 1,112	− 1,037	+ 1,393	+ 1,433	+ 1,612	+ 1,521	− 1,141	− 1,151	− 1,134	1,229
Deaths, equalized to months of uniform length.....	16,503	− 1,308	− 1,145	− 1,051	+ 1,500	+ 1,748	+ 1,701	+ 1,445	+ 1,508	+ 1,588	− 1,046	− 1,171	− 1,292	1,375
Deaths, corrected for omissions in enumerating, and equalized to months of uniform length.	26,018	+ 2,394	− 2,023	− 1,790	+ 2,457	+ 2,752	+ 2,569	− 2,090	− 2,085	− 2,094	− 1,766	− 1,929	− 2,069	2,168
Deaths, corrected and equalized, equalized to months of uniform length....	26,579	+ 2,470	− 2,080	− 1,834	+ 2,509	+ 2,800	+ 2,606	− 2,112	− 2,100	− 2,101	− 1,840	− 2,003	− 2,142	2,216

[a] Excluding unknown month.
[b] Corrected for additional returns up to Feb. 8, 1883.

Many interesting and important influences which the births, marriages, and deaths sustain to each other may be seen in Exhibit 2. It will be seen that the larger number of births in the months of July, August, and September of the year 1881 appear to have been coincident with the large number of marriages which were solemnized in the months of October, November, and December of the year 1880.

In Exhibit 2 the plus and minus signs indicate, respectively, that in the months where they occur the number under the sign is greater or less, as the case may be, than the number for the "Average Month."

Before the births are corrected for omissions, the first six months have less, and the last six months have more, than the average monthly number.

Using the number of births returned and equalized by months as the data, proposition may be made as follows:

(1.) *More* than an average number of conceptions occurred in months in which *more* than an average number of marriages were solemnized, and *less* than an average number in months in which *less* than an average number of marriages were solemnized.

(2.) *Less* than an average number of conceptions occurred in months in which *more* than an average number of deaths occurred, and *more* than an average number of conceptions in months in which *less* than an average number of deaths occurred.

According to Exhibit 2, there are four exceptions to the first proposition, and six to the second. Proposition 1, therefore, holds true in eight of the twelve instances, and proposition 2 in six. If the births and deaths corrected for omissions are thus studied in connection with marriages, proposition 1 holds true in seven and proposition 2 in six out of the twelve cases.

EXHIBIT D.—*Grouping the Evidence of the Vital Statistics on the subject of the Comparative Natural Increase of Native and of Foreign-born Inhabitants of Michigan, by Excess of Births over Deaths, according to the Returns, the Evidence Exhibited Covering the Years 1876 to 1881, inclusive.*

BIRTHS, DEATHS, AND EXCESS OF BIRTHS OVER DEATHS.	1876.			1877.			1878.			1879.			1880.			1881.		
	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.
Births by parent nativity	[a] 34,235	15,551	11,901	[a] 33,395	15,270	11,557	[a] 35,162	16,323	11,992	[a] 34,122	15,864	11,369	[a] 35,223	16,274	11,982	[a] 34,749	15,907	11,560
Deaths, by nativity	[b] 12,576	[c] 10,147	[d] 2,078	[b] 12,919	[c] 10,305	[d] 2,251	[b] 12,766	[c] 10,183	[d] 2,237	[b] 14,407	[c] 11,495	[d] 2,458	[b] 16,102	[c] 12,572	[d] 2,962	[b] 19,238	[c] 15,402	[d] 3,407
Excess of births over deaths...	21,659	5,404	9,823	20,476	4,965	9,306	22,396	6,140	9,755	19,715	4,369	8,911	19,221	3,702	9,020	15,511	505	8,153

[a] Includes children of mixed parentage and those where the nativity of one or both parents is unknown.
[b] Includes deaths of persons of unknown nativity.
[c] Includes all deaths of persons born in the United States, whether born of native or of foreign-born parents.
[d] Includes only persons who were born in foreign countries.

TABLE II.—*Exhibiting, by Sex, the Population in 1880, the Number of Marriages, Births, and Deaths, and the Excess of Births over Deaths, in Michigan during the Year 1881, according to the Returns.*

STATE AND COUNTIES.	Population, 1880.			Marriages, 1881.	Births, 1881.				Deaths, 1881.				Excess of Births over Deaths.[a]			
	Total.	Sex.			Total.	Sex.			Total.	Sex.			Total.	Sex.		
		Males.	Females.			Males.	Females.	Unknown.		Males.	Females.	Unknown.		Males.	Females.	Unknown.
STATE	1,636,937	862,355	774,582	14,847	34,749	17,941	16,747	61	19,238	10,263	8,910	65	15,511	7,678	7,837	-4
Alcona	3,107	1,945	1,162	14	42	15	27	.....	12	7	5	.....	30	8	22	.....
Allegan	37,815	19,732	18,083	372	830	427	401	2	412	215	197	.....	418	212	204	2
Alpena[b]	8,789	5,161	3,628	100	226	113	113	.....	114	74	40	.....	112	39	73	.....
Antrim	5,237	2,867	2,370	36	140	77	63	.....	75	35	40	.....	65	42	23	.....
Baraga	1,804	1,036	768	16	55	27	28	.....	18	7	11	.....	37	20	17	.....
Barry	25,317	13,284	12,033	199	480	232	248	.....	290	126	164	.....	190	106	84	.....
Bay	38,081	21,098	16,893	302	1,160	626	534	.....	541	305	236	.....	619	321	298	.....
Benzie	3,433	1,862	1,571	43	108	55	53	.....	65	33	32	.....	43	22	21	.....
Berrien[c]	36,785	18,805	17,980	562	618	331	287	.....	307	150	156	1	311	181	131	-1
Branch	27,941	14,240	13,701	251	410	200	210	.....	255	157	98	.....	155	43	112	.....
Calhoun	38,452	19,599	18,853	329	547	299	243	5	426	223	196	7	121	76	47	-2
Cass	22,009	11,350	10,659	251	338	159	179	.....	176	85	91	.....	162	74	88	.....
Charlevoix[d]	5,115	2,743	2,372	54	125	61	64	.....	54	27	27	.....	71	34	37	.....
Cheboygan	6,524	3,760	2,764	73	192	97	95	.....	109	59	50	.....	83	38	45	.....
Chippewa[e]	5,248	2,906	2,342	52	65	39	26	.....	10	5	5	.....	55	34	21	.....
Clare	4,187	2,793	1,394	42	84	46	38	.....	66	33	33	.....	18	13	5	.....
Clinton	28,100	14,657	13,443	236	442	217	225	.....	276	131	145	.....	166	86	80	.....
Crawford	1,159	683	476	11	29	13	16	.....	16	7	9	.....	13	6	7	.....
Delta	6,812	4,172	2,640	72	199	83	116	.....	83	45	34	4	116	38	82	-4

Eaton	31,225	16,072	15,153	240	608	320	287	1	356	172	184	.....	252	148	103	1
Emmet	6,639	3,544	3,095	64	134	66	68	.....	79	44	35	.....	55	22	33	.....
Genesee	39,220	20,042	19,178	329	663	316	347	.....	409	208	201	.....	254	108	146	.....
Gladwin[f]	1,127	749	378	4	12	6	5	1	10	5	4	1	2	1	1	.....
Grand Traverse[g]	8,422	4,608	3,814	59	127	66	61	.....	70	36	34	.....	57	30	27	.....
Gratiot	21,926	11,687	10,249	197	568	287	280	1	212	109	102	1	356	178	178	.....
Hillsdale	32,723	16,544	16,179	346	461	221	240	.....	372	208	164	.....	89	13	76	.....
Houghton	22,473	12,242	10,231	196	765	391	374	.....	243	131	112	.....	522	260	262	.....
Huron	20,089	10,714	9,375	134	546	264	281	1	242	116	125	1	304	148	156	.....
Ingham	33,676	17,399	16,277	294	529	249	279	1	298	147	150	1	231	102	129	.....
Ionia	33,872	17,974	15,898	298	615	330	284	1	300	154	145	1	315	176	139	.....
Iosco	6,873	4,097	2,776	110	198	98	100	.....	174	90	84	.....	24	8	16	.....
Isabella	12,159	6,602	5,557	99	374	173	201	.....	176	91	85	.....	198	82	116	.....
Isle Royal	55	31	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	42,031	21,833	20,198	421	816	412	404	.....	407	225	182	.....	409	187	222	.....
Kalamazoo	34,342	17,343	16,999	276	565	306	259	.....	437	221	216	.....	128	85	43	.....
Kalkaska[h]	2,937	1,617	1,320	31	88	46	42	.....	38	20	18	.....	50	26	24	.....
Kent	73,253	38,014	35,239	646	1,714	855	857	2	1,022	549	472	1	692	306	385	1
Keweenaw	4,270	2,396	1,874	31	308	175	132	1	122	67	51	4	186	108	81	-3
Lake	3,233	1,941	1,292	21	83	39	44	.....	48	29	19	.....	35	10	25	.....

[a] The figures with the minus sign placed before them indicate the excess of deaths over births.
[b] No returns of deaths from the townships of Green and Ossineke.
[c] No returns of deaths from the township of St. Joseph.
[d] No returns of births from the townships of Evangeline, Eveline, and Melrose, and no returns of deaths from the townships of Eveline and Marion.
[e] No returns of births nor deaths from the township of Detour.
[f] No returns of births nor deaths from the township of Grout.
[g] No returns of deaths from the townships of East Bay, Grant, and Paradise.
[h] No returns of deaths from the townships of Garfield and Oliver.

TABLE II.—CONTINUED.

COUNTIES.	Population, 1880.			Marriages, 1881.	Births, 1881.				Deaths, 1881.				Excess of Births over Deaths.[a]			
	Total.	Sex.			Total.	Sex.			Total.	Sex.			Total.	Sex.		
		Males.	Females.			Males.	Females.	Unknown.		Males.	Females.	Unknown.		Males.	Females.	Unknown.
Lapeer	30,138	15,827	14,311	249	550	291	257	2	306	154	151	1	244	137	106	1
Leelanaw	6,253	3,388	2,865	46	147	71	76	.....	96	56	39	1	51	15	37	-1
Lenawee	48,343	24,281	24,062	509	707	355	350	2	415	216	198	1	292	139	152	1
Livingston	23,251	11,620	10,631	166	428	226	202	.....	259	137	122	.....	169	89	80	.....
Mackinac[b]	2,902	1,689	1,213	38	29	12	17	.....	19	10	9	.....	10	2	8	.....
Macomb	31,627	15,157	15,470	241	608	309	298	1	305	187	118	.....	303	122	180	1
Manistee	12,532	6,969	5,563	113	405	221	182	2	181	100	81	.....	224	121	101	2
Manitou	1,334	718	616	6	19	8	11	.....	5	1	4	.....	14	7	7	.....
Marquette[c]	25,394	14,760	10,634	205	810	415	383	12	406	238	156	12	404	177	227	.....
Mason[d]	10,065	5,659	4,406	101	234	111	123	.....	184	93	91	.....	50	18	32	.....
Mecosta	13,973	7,626	6,347	143	294	153	140	1	297	163	134	.....	-3	-10	6	1
Menominee	11,987	8,000	3,987	158	347	176	171	.....	150	95	54	1	197	81	117	-1
Midland	6,893	3,780	3,113	59	163	83	79	1	83	46	36	1	80	37	43	.....
Missaukee	1,553	942	611	8	61	30	30	1	27	15	11	1	34	15	19	.....
Monroe	33,624	17,250	16,374	345	731	387	344	.....	346	170	175	1	385	217	169	-1
Montcalm[e]	33,148	18,321	14,827	236	466	263	202	1	396	223	172	1	70	40	30	.....
Montmorency[e]	.....	.....	.....	1	8	5	3	.....	5	3	2	.....	3	2	1	.....
Muskegon	26,586	14,784	11,802	324	713	375	337	1	462	245	214	3	251	130	123	-2
Newaygo[f]	14,688	8,376	6,312	112	245	123	122	.....	165	83	82	.....	80	40	40	.....
Oakland	41,537	21,327	20,210	307	513	280	231	2	390	213	174	3	123	67	57	-1
Oceana[g]	11,699	6,444	5,255	97	240	126	114	.....	166	78	88	.....	74	48	26	.....

Ogemaw[h]	1,914	1,168	746	14	39	24	14	1	25	13	12	.....	14	11	2	1
Ontonagon[i]	2,565	1,335	1,230	15	47	24	23	.....	19	15	4	.....	28	9	19	.....
Osceola	10,777	6,015	4,762	125	279	157	122	.....	127	61	66	.....	152	96	56	.....
Oscoda	467	291	176	3	8	4	4	.....	11	5	6	.....	-3	-1	-2	.....
Otsego[j]	1,974	1,137	837	20	50	34	16	.....	23	12	11	.....	27	22	5	.....
Ottawa	33,126	17,472	15,654	317	787	415	368	4	420	241	175	4	367	174	193	.....
Presque Isle	3,113	1,701	1,412	33	124	58	66	.....	38	22	16	.....	86	36	50	.....
Roscommon	1,459	1,096	363	13	33	20	13	.....	12	8	4	.....	21	12	9	.....
Saginaw	59,095	31,803	27,292	570	1,518	800	718	.....	957	557	400	.....	561	243	318	.....
Sanilac	26,341	14,023	12,318	125	689	346	342	1	298	146	152	.....	391	200	190	1
Schoolcraft[k]	1,575	1,097	478	6	16	9	7	.....	14	9	5	.....	2	.....	2	.....
Shiawassee	27,059	14,248	12,811	206	470	270	197	3	254	119	131	4	216	151	66	-1
St. Clair	46,197	23,922	22,275	369	952	482	463	7	464	238	220	6	488	244	243	1
St. Joseph	26,626	13,516	13,110	364	402	205	197	.....	232	120	112	.....	170	85	85	.....
Tuscola	25,738	13,644	12,094	199	583	313	270	.....	344	177	167	.....	239	136	103	.....
Van Buren	30,807	15,757	15,050	249	512	271	240	1	310	158	151	1	202	113	89	.....
Washtenaw	41,848	21,250	20,598	322	619	332	287	.....	405	223	182	.....	214	109	105	.....
Wayne	166,444	82,917	83,527	1,555	4,501	2,357	2,143	1	2,229	1,232	995	2	2,272	1,125	1,148	-1
Wexford[l]	6,815	3,903	2,912	67	138	63	74	1	73	35	38	.....	65	28	36	1

[a] The figures with the minus sign placed before them indicate the excess of deaths over births.
[b] No returns of births nor deaths from the township of Hendricks.
[c] No returns of births nor deaths from the townships of Crystal Falls, Iron River, and Richmond, and no returns of deaths from the township of Champion.
[d] No returns of births from the township of Lincoln.
[e] No returns of births nor deaths from the township of Home.
[f] No returns of births nor deaths from the township of Grant.
[g] No returns of deaths from the township of Otto.
[h] No returns of births nor deaths from the townships of Damon and West Branch, and no returns of deaths from the township of Cumming.
[i] No returns of births nor deaths from the townships of Carp Lake and Rockland.
[j] No returns of deaths from the townships of Charlton and Livingston.
[k] No returns of births nor deaths from the townships of Munising and Thompson.
[l] No returns of births nor deaths from the townships of Henderson and South Branch.
[m] The population of Montmorency county cannot be ascertained. It was compiled with Alpena county.

The number of births and deaths that were returned to the State Department, as having occurred out of Michigan, may be seen in Exhibit E. The births, as compared with those of 1880, are less by 111, while the deaths are more by 57 than those reported in 1880. The large majority of these births and deaths are undoubtedly from families which moved into the State after the births and deaths occurred and were taken by the supervisors in their enumeration.

EXHIBIT E.—*Showing, for the State and Counties of Michigan, the Number of Births and Deaths returned to this Department as having occurred out of Michigan during the year 1881 (Presumably in Families Residing in Michigan).*

STATE AND COUNTIES.	1881.		COUNTIES.	1881.	
	Births.	Deaths.		Births.	Deaths.
STATE	375	129	Lapeer	4	3
Allegan	17	3	Leelanaw	1	.....
Alpena	1	.....	Lenawee	12	4
Antrim	6	.....	Livingston	.....	1
Barry	5	1	Macomb	1	.....
Bay	10	3	Manistee	1	.....
Benzie	.....	1	Marquette	15	6
Berrien	10	1	Mason	6	1
Branch	2	5	Mecosta	6	1
Calhoun	4	3	Midland	1	.....
Cass	5	2	Missaukee	.....	1
Charlevoix	6	.....	Monroe	.....	7
Cheboygan	1	.....	Montcalm	8	2
Clinton	2	.....	Muskegon	15	4
Eaton	5	2	Newaygo	1	.....
Genesee	8	3	Oakland	2	2
Grand Traverse	2	.....	Oceana	4	.....
Gratiot	1	.....	Ogemaw	1	.....
Houghton	5	.....	Osceola	10	2
Huron	3	2	Ottawa	9	3
Ingham	3	2	Presque Isle	1	.....
Ionia	5	6	Sanilac	9	6
Iosco	8	1	Shiawassee	3	.....
Isabella	5	2	St. Clair	8	6
Jackson	12	3	St. Joseph	3	5
Kalamazoo	.....	1	Van Buren	5	3
Kalkaska	1	.....	Washtenaw	7	2
Kent	11	9	Wayne	103	19
Keweenaw	1	.....	Wexford	3	.....
Lake	3	1			

BIRTHS, 1881.

According to the returns made to the State Department by the county clerks, the number of children born in the State of Michigan during the year 1881, was 34,749. This is 574 less than the number recorded for 1880, and 413 less than the number recorded for 1878. With these two exceptions the number is larger than was returned for any of the previous years. This number does not represent accurately the births which occurred in the State during the year, because of the defective system of registration which admits of many evasions and errors. For example, the birth-returns are obtained by the supervisors in a house to house visitation, made annually, and many months after the births occur; thus the omissions and discrepancies probable from such methods hardly need be mentioned. In order to offset this deficiency and obtain as nearly as possible the actual number of births, a system of correction has been adopted in previous reports, and the same plan has been used in this volume. This method of correction will be found fully explained in previous reports.

YEARS.	Per Cent. of Births Returned.	Per Cent. of Births Added as Correction for Omissions.
1872	64.95	43.95
1873	76.72	30.34
1874	55.75	79.37
1875	68.61	45.76
1876	75.73	32.04
1877	66.47	50.44
1878	67.41	48.34
1879	68.05	46.91
1880	69.73	43.42
1881	69.76	43.35
Average for 10 years.	68.32	46.39

The number of births added to make up the deficiency in the returns is 15,051, which is 43.35 per cent. of the number (34,749) actually returned. It is seen then that the number of births returned, excluding those in unknown

month, is about 69.76 per cent. of the whole number of births which probably occurred.

In the tabular exhibit above can be seen what per cent. of births has been returned for each of the years 1872–1881, and also what per cent. has been added as a correction for omissions. According to this exhibit a little more than the average per cent. of births for ten years was returned for the year 1881, and as a consequence a smaller than average per cent. for ten years was added as a correction for omissions.

Between the Census years 1870–1880, the estimated annual increase in population was 3.291 per cent., and on this basis the computed population of the State in 1881 may be considered as 1,690,809. According to the Census of 1880, the number of inhabitants from whom no returns of births were received during the year 1881 was 7,282, now increasing this by 3.291 per cent. we have 7,522; this number subtracted from 1,690,809 gives 1,683,287 as the estimated population represented by the returns of births.

On this representation one child was born to every 48 persons of the estimated population, and the birth-rate for 1881 was 20.83 for every thousand of the inhabitants, still-births being included. When the births are corrected for omissions in the enumeration there was one child born to every 34 persons, and the birth-rate was 29.41 to every thousand of the population.

The number of births for each of certain specified periods of time may be seen as follows:

PERIODS OF TIME.	Births as Returned.	Corrected as per Exhibit A, 4th line.	Corrected with 46.39 Per Cent.
Per quarter	8,687.25	12,450.00	12,713.75
Per month	2,895.75	4,150.00	4,237.92
Per week	668.25	957.69	977.98
Per day	95.20	136 44	139.33

In the following tabular exhibit may be seen the relations which the births in 1881 bear to the inhabitants of the State in 1880. The increase in the population should be considered in this connection.

SEX.	Inhabitants in 1880 Represented by Births in 1881.	Births as Returned.	Births Corrected for Omissions in Enumerating.	Per Cent. of Births to Inhabitants.	
				Births as Returned.	Births Corrected for Omissions.
Total	1,629,655	34,749	49,612	2.13	3.04
Males	857,968	17,941	26,042	2.09	3.04
Females	771,687	16,747	23,570	2.17	3.05
Unknown	.....	61	.....	.....	.....

The next table presents a comparison of the number of births by quarters of the year. This comparison is carried also through a series of years. The

most noteworthy feature of the table is the increased number of births in the last two quarters of the year. When the births are corrected for omissions they seem to be more evenly distributed by quarters of the year, as is seen in the lower part of the table.

TABLE I.—*Births by Quarters of the year, Exhibiting the Number and Per Cent. of Totals for the Years 1876 to 1881, inclusive, as Returned, and as Corrected for Omissions in the Enumeration.*

	TOTALS, AND MONTHS WITH WHICH QUARTERS END.	1876.		1877.		1878.		1879.		1880.		1881.	
		Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
As Returned.	Totals....	34,235	100.00	33,395	100.00	35,162	100.00	34,122	100.00	35,323	100.00	34,749	100.00
	March....	7,379	21.55	7,148	21.40	7,451	21.19	7,518	22.03	7,718	21.85	7,660	22.04
	June.....	8,339	24.36	7,995	23.94	8,539	24.28	8,174	23.96	8,476	24.00	8,404	24.18
	Sept.....	9,248	27.01	9,174	27.47	9,390	26.70	9,365	27.45	9,574	27.10	9,544	27.47
	Dec.....	9,165	26.77	9,007	26.97	9,750	27.73	9,035	26.47	9,519	26.95	9,111	26.22
	Unknown	104	.30	71	.21	32	.09	30	.09	36	.10	30	.09
	Average.[a]	8,559	25.00	8,349	25.00	8,791	25.00	8,531	25.00	8,831	25.00	8,687	25.00
As Corrected for Omissions.	Totals....	45,172	100.00	50,203	100.00	52,145	100.00	50,130	100.00	50,643	100.00	49,800	100.00
	March....	10,840	24.00	12,446	24.79	12,742	24.44	12,679	25.29	12,626	24.93	12,502	25.10
	June.....	11,480	25.41	12,748	25.39	13,435	25.76	12,680	25.29	12,808	25.29	12,675	25.45
	Sept.....	11,858	26.25	13,258	26.41	13,402	25.70	13,227	26.39	13,229	26.12	13,172	26.45
	Dec.....	10,890	24.11	11,680	23.27	12,534	24.04	11,514	22.97	11,944	23.58	11,421	22.93
	Unknown	104	.23	71	.14	32	.06	30	.06	36	.07	30	.06
	Average.[a]	11,293	25.00	12,551	25.00	13,036	25.00	12,533	25.00	12,661	25.00	12,450	25.00

[a] The number in unknown quarter of year included.

In Table II. comparisons may be made as to the number of births in each month of the year 1881, and also for a series of years. It will be noticed that the months of August, September, and December have the largest number of births in all these years. The months are arranged in order, those having the greatest number of births are placed first.

TABLE II.—*Births during the Years 1876—1881, inclusive, according to the Returns, exhibiting the Number and Per Cent. of Total, by Months, arranged in Order by Number, Months having the greatest number first.*

Order.	1876.			1877.			1878.			1879.			1880.			1881.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total..	34,235	100.00	Total..	33,395	100.00	Total..	35,162	100.00	Total..	34,122	100.00	Total..	35,323	100.00	Total..	34,749	100.00
1	Dec....	3,205	9.36	Aug...	3,227	9.66	Dec....	3,423	9.73	Dec....	3,233	9.47	Aug...	3,285	9.30	Aug....	3,313	9.53
2	Aug...	3,124	9.13	Dec....	3,145	9.42	Aug...	3,295	9.37	Aug...	3,198	9.37	Sept...	3,278	9.28	Sept...	3,204	9.22
3	Sept....	3,110	9.08	Sept...	3,048	9.13	Oct....	3,266	9.29	Sept....	3,149	9.23	Dec....	3,278	9.28	Dec....	3,179	9.15
4	Oct.....	3,039	8.88	Oct....	3,015	9.03	Sept...	3,260	9.27	Oct.....	3,036	8.90	Oct....	3,173	8.98	Oct....	3,078	8.86
5	July...	3,014	8.80	July...	2,899	8.68	Nov....	3,061	8.71	July...	3,018	8.84	Nov....	3,068	8.69	July...	3,027	8.71
6	Nov....	2,921	8.53	Nov....	2,847	8.53	April..	2,937	8.35	May...	2,842	8.33	July...	3,011	8.52	May...	2,887	8.31
7	May...	2,870	8.38	Mar....	2,690	8.06	Mar....	2,836	8.07	Nov....	2,766	8.11	May...	2,880	8.15	Nov....	2,854	8.21
8	Mar....	2,744	8.01	May...	2,683	8.03	July...	2,835	8.06	Mar....	2,758	8.08	Mar....	2,850	8.07	Mar....	2,835	8.16
9	June...	2,739	8.00	June...	2,657	7.96	May...	2,805	7.98	April..	2,706	7.93	April..	2,824	7.99	April..	2,805	8.07
10	April..	2,730	7.97	April..	2,655	7.95	June...	2,797	7.95	June...	2,626	7.70	June...	2,772	7.85	June...	2,712	7.80
11	Feb....	2,352	6.87	Feb....	2,246	6.73	Feb....	2,414	6.87	Jan....	2,429	7.12	Feb....	2,513	7.11	Feb....	2,432	7.00
12	Jan....	2,283	6.67	Jan....	2,212	6.62	Jan....	2,201	6.26	Feb....	2,331	6.83	Jan....	2,355	6.67	Jan.....	2,393	6.89
	Unk...	104	.30	Unk...	71	.21	Unk...	32	.09	Unk...	30	.09	Unk...	36	.10	Unk...	30	.09
	Av....[a]	2,853	8.33	Av....[a]	2,783	8.33	Av....[a]	2,930	8.33	Av....[a]	2,844	8.33	Av....[a]	2,944	8.33	Av....[a]	2,896	8.33

[a] Including unknown month.

Exhibit 2 is similar in construction to Table II. and shows the order of the months when the births are corrected for omissions in the enumeration. It will be noticed that the order of the months is not the same as in Table II.

EXHIBIT 2.—*Births during the Years 1878 to 1881, inclusive, as Corrected for Omissions in the Enumeration, exhibiting the Number and Per Cent. of Total, by Months arranged in order by Number, Months having the greatest number first.*

Order.	1878.			1879.			1880.			1881.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	PerCt. of Total.
	Total	52,145	100.00	Total	50,130	100.00	Total	50,643	100.00	Total	49,800	100.00
1	April	4,759	9.13	Mar.	4,530	9.04	Mar.	4,549	8.98	Aug.	4,575	9.19
2	March	4,730	9.07	Aug.	4,519	9.01	Aug.	4,543	8.97	Mar.	4,514	9.06
3	Aug.	4,710	9.03	May	4,407	8.79	Sept.	4,394	8.68	May	4,353	8.74
4	Sept.	4,504	8.64	July	4,403	8.78	April	4,387	8.66	April	4,348	8.73
5	May	4,411	8.46	Apr.	4,321	8.62	May	4,351	8.59	July	4,308	8.65
6	Oct.	4,357	8.36	Sept.	4,305	8.59	July	4,292	8.48	Sept.	4,289	8.61
7	June	4,265	8.18	Jan.	4,213	8.40	Feb.	4,118	8.13	Jan.	4,013	8.06
8	Dec.	4,240	8.13	Oct.	4,011	8.00	Oct.	4,118	8.13	Oct.	3,990	8.01
9	July	4,188	8.03	Dec.	3,975	7.93	June	4,070	8.04	Feb.	3,975	7.98
10	Feb.	4,131	7.92	June	3,952	7.88	Dec.	3,975	7.83	June	3,974	7.98
11	Nov.	3,937	7.55	Feb.	3,936	7.85	Jan.	3,959	7.82	Dec.	3,852	7.74
12	Jan.	3,881	7.44	Nov.	3,528	7.04	Nov.	3,851	7.60	Nov.	3,579	7.19
	Unk.	32	.06	Unk.	30	.06	Unk.	36	.07	Unk.	30	.06
	Aver'ge [a]	4,345	8.33	Aver'ge [a]	4,178	8.33	Aver'ge [a]	4,220	8.33	Aver'ge [a]	4,150	8.33

[a] Including births in unknown month.

The following Exhibits, A, B, C, D, and 3 illustrate the manner of making the corrections in the number of births returned so as to equal the number which probably occurred. Remarks on this system of correction will be found in previous reports.

EXHIBIT A.—*Births in Michigan during the Year 1881, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of a Uniform length of 30.44 days each; also, indicating some of the steps by which these results have been reached. (Still-births and Children of unknown Sex included.)*

	Total.	Months, 1881.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births as returned by Registration Officers	[a] 34,719	2,393	2,432	2,835	2,805	2,887	2,712	3,027	3,313	3,204	3,078	2,854	3,179
Per cent. of births to be added for correction for time elapsing before enumeration	.....	67.69	63.46	59.23	55.00	50.77	46.54	42.31	38.08	33.85	29.62	25.39	21.16
Number of births to be added for above correction	15,051	1,620	1,543	1,679	1,543	1,466	1,262	1,281	1,262	1,085	912	725	673
Births, if enumerated in months of occurrence	49,770	4,013	3,975	4,514	4,348	4,353	3,974	4,308	4,575	4,289	3,990	3,579	3,852
Per cent. of births to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Births to be added to equalize them to population at close of year	1,149	169	153	158	137	122	98	91	81	60	42	25	13
Births, as corrected, equalized to population at close of year	50,919	4,182	4,128	4,672	4,485	4,475	4,072	4,399	4,656	4,349	4,032	3,604	3,865
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+56	—76	+360	—84	+66	—81	+60	—79	—84	+64	—73	+53	—70
Births, corrected and equalized, equalized to months of uniform length	50,975	4,106	4,488	4,588	4,551	4,394	4,132	4,320	4,572	4,413	3,959	3,657	3,795

[a] Excluding 30 in unknown month.

EXHIBIT B.—*Births of Males in Michigan during the Year 1881, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of 30.44 Days each.*

	Total.	Months, 1881.											
		Jan.	Feb.	Mar.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births of Males as returned by Registration Officers	* 17,925	1,262	1,246	1,456	1,503	1,469	1,412	1,573	1,683	1,631	1,624	1,436	1,630
Per cent. of births to be added for correction for time elapsing before enumeration	.....	70.57	66.16	61.75	57.34	52.93	48.52	44.11	39.70	35.29	30.88	26.47	22.06
Number of births to be added for above correction	8,117	891	824	899	862	778	685	694	668	576	501	380	359
Births of males, if enumerated in months of occurrence	26,042	2,153	2,070	2,355	2,365	2,247	2,097	2,267	2,351	2,207	2,125	1,816	1,989
Per cent. of births to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Births to be added to equalize them to population at close of year	607	91	80	83	75	63	52	48	41	31	23	13	7
Births of males, as corrected, equalized to population at close of year	26,649	2,244	2,150	2,438	2,440	2,310	2,149	2,315	2,392	2,238	2,148	1,829	1,996
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 2.44	—.56	+ 44	—.56	+.44	—.56	—.56	+ 44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+ 28	—41	+ 187	—44	+ 36	—42	+ 32	—42	—43	+ 33	—39	+ 27	—36
Births of males, corrected and equalized, equalized to months of uniform length	26,677	2,203	2,337	2,394	2,476	2,268	2,181	2,273	2,349	2,271	2,109	1,856	1,960

* Excluding 16 births in unknown month.

EXHIBIT C.—*Births of Females in Michigan during the Year 1881, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of 30.44 Days each.*

	Total.	Months, 1881.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births of Females as returned by Registration Officers	[a] 16,734	1,128	1,179	1,376	1,301	1,413	1,296	1,447	1,625	1,568	1,451	1,410	1,540
Per cent. of Births to be added for correction for time elapsing before enumeration	.....	63.96	59.96	55.96	51.96	47.96	43.96	39.96	35.96	31.96	27.96	23.96	19.96
Number of births to be added for above correction	6,836	721	707	770	676	678	570	578	584	501	406	338	307
Births of Females, if enumerated in months of occurrence	23,570	1,849	1,886	2,146	1,977	2,091	1,866	2,025	2,209	2,069	1,857	1,748	1,847
Per cent. of births to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Births to be added to equalize them to population at close of year	542	78	73	75	62	59	46	43	39	29	20	12	6
Births of Females, as corrected, equalized to population at close of year	24,112	1,927	1,959	2,221	2,039	2,150	1,912	2,068	2,248	2,098	1,877	1,760	1,853
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+27	—35	+171	—40	+30	—39	+28	—37	—41	+31	—34	+26	—33
Births of Females, corrected and equalized, equalized to months of uniform length	24,139	1,892	2,130	2,181	2,069	2,111	1,940	2,031	2,207	2,129	1,843	1,786	1,820

[a] Excluding 13 births in unknown month.

EXHIBIT D.—*Births of Males and of Females in Michigan during the Year 1881, Corrected for Omissions in the Enumeration, and, as thus Corrected, Equalized to Months of Uniform length; also, the total Births of both Sexes as thus Corrected and Equalized.* (*Births of Children of unknown Sex not included.*)

	Total.	Months, 1881.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births of Males, if enumerated in months of occurrence	[a] 26,042	2,153	2,070	2,355	2,365	2,247	2,097	2,267	2,351	2,207	2,125	1,816	1,989
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+25	—39	+180	—43	+35	—41	+31	—41	—42	+32	—38	+27	—36
Births of Males, corrected and equalized to months of uniform length	26,067	2,114	2,250	2,312	2,400	2,206	2,128	2,226	2,309	2,239	2,087	1,843	1,953
Births of Females, if enumerated in months of occurrence	[b] 23,570	1,849	1,886	2,146	1,977	2,091	1,866	2,025	2,209	2,069	1,857	1,748	1,847
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+22	—33	+164	—39	+29	—38	+27	—37	—40	+30	—34	+26	—33
Births of Females, corrected and equalized to months of uniform length	23,592	1,816	2,050	2,107	2,006	2,053	1,893	1,988	2,169	2,099	1,823	1,774	1,814
Births of Males, corrected and equalized to months of uniform length	26,067	2,114	2,250	2,312	2,400	2,206	2,128	2,226	2,309	2,239	2,087	1,843	1,953
Births of Males and of Females, corrected and equalized to months of uniform length	49,659	3,930	4,300	4,419	4,406	4,259	4,021	4,214	4,478	4,338	3,910	3,617	3,767
Males to 100 Females, Births corrected and equalized to months of uniform length	110	116	110	110	120	107	112	112	106	107	114	104	108

[a] Excluding 16 births in unknown month. [b] Excluding 13 births in unknown month.

EXHIBIT 3.—*Births in Michigan during the Year 1881, Corrected for Omissions in Enumerating and Equalized for Months of a uniform length of 30.44 Days each.* (*Still-births and Children of unknown Sex included.*)

	Total.	Months, 1881.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births, if enumerated in months of occurrence	[a] 49,770	4,013	3,975	4,514	4,348	4,353	3,974	4,308	4,575	4,289	3,990	3,579	3,852
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+47	—72	+346	—82	+64	—79	+58	—78	—83	+63	—72	+52	—70
Births, corrected and equalized to months of uniform length	49,817	3,941	4,321	4,432	4,412	4,274	4,032	4,230	4,492	4,352	3,918	3,631	3,782

[a] Excluding 30 births in unknown month.

The subject of the relation of the marriages to the births may be studied in Table III. and Exhibit E. It is interesting to note that with only four exceptions there were more than the average number of marriages solemnized in those months in which more than the average number of conceptions occurred. Another fact relating to this subject may be noted here, that a majority of the conceptions occur in the months beginning with October and ending with March. During that period of the year, in certain classes, the families are more united than in the other months and this may account for much of the difference.

TABLE III.—*Exhibiting the Relation between the Births Returned as having occurred in Michigan during the Year 1881, and the Marriages solemnized in the Months of the Years 1880 and 1881, in which the Conceptions probably occurred.* (*Births and Marriages in unknown month excluded.*)

Births Returned as having Occurred in 1881, Equalized to Months of 30.44 Days each, in Order by Number, Greatest First.					Number of Marriages from April, 1880, to March, 1881, equalized to Months of 30.44 days each.[b]
Births.[a]			Conceptions.		
	Year and Months.	Number.	Months.	Year.	
Year		34,730			14,746
More than the Av. No. of Births.	August	3,254	November	1880	1,612
	September	3,251	December	1880	1,521
	December	3,122	March[c]	1881	1,134
	October	3,023	January[c]	1881	1,141
	July	2,973	October	1880	1,433
	November	2,896	February[c]	1881	1,151
Average		2,894			1,229
Less than the Av. No. of Births.	April	2,846	July	1880	1,112
	May	2,835	August	1880	1,037
	March	2,784	June	1880	1,033
	June	2,752	September[c]	1880	1,393
	February	2,644	May	1880	1,020
	January	2,350	April	1880	1,159

[a] Excluding 30 births in unknown month, and including 11 gained in equalizing, making the number shown for the year 19 less than the number of births returned.
[b] Corrected up to February 8, 1883.
[c] Exceptions to the statement that *more* than the average number of conceptions appear for months in which *more* than the average number of marriages were solemnized, and *less* than the average number of conceptions in months in which *less* than the average number of marriages were solemnized.

Exhibit E. is similar in plan to Table III. only in the former the births are corrected for omissions in the enumeration. In the exhibit there are five exceptions to the general proposition.

EXHIBIT E.—*The Relation between the Births in Michigan during the Year 1881, Corrected for Omissions in Enumerating, and the Marriages solemnized in the Months of the Years 1880 and 1881, in which the Conceptions probably occurred. (Births and Marriages in unknown Month excluded.)*

	Births in 1881, Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of Uniform Length, in Order by Number, Greatest First.				No. of Marriages from April, 1880, to March, 1881, equalized to Months of 30.44 Days each.[b]
	Births.[a]		Conceptions.		
	Year and Months.	Number.	Months.	Year.	
	Year	[a] 49,817			14,746
More than the Av. No. of Births.	August	4,492	November	1880	1,612
	March	4,432	June [c]	1880	1,033
	April	4,412	July [c]	1880	1,112
	September	4,352	December	1880	1,521
	February	4,321	May [c]	1880	1,020
	May	4,274	August [c]	1880	1,037
	July	4,230	October	1880	1,433
	Average	4,151			1,229
Less than the Av. No. of Births.	June	4,032	September [c]	1880	1,393
	January	3,941	April	1880	1,159
	October	3,918	January	1881	1,141
	December	3,782	March	1881	1,134
	November	3,631	February	1881	1,151

[a] Unknown month excluded.
[b] Corrected, for additional returns, up to Feb. 8, 1883.
[c] Exceptions to the statement that *more* than the average number of conceptions appear for months in which *more* than the average number of marriages were solemnized, and *less* than the average number of conceptions in months in which *less* than the average number of marriages were solemnized.

TABLE IV.—*Exhibiting, by Counties and by Sex, the Number of Children Returned as having been born in Michigan during the Year, and in each Month of the Year ending December 31, 1881. (Still-births included.)*

STATE AND COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
State.....[a]	Total.....	34,749	2393	2432	2835	2805	2887	2712	3027	3313	3204	3078	2854	3179	30
	Males.....	17,941	1262	1246	1456	1503	1469	1412	1573	1683	1631	1624	1436	1630	16
	Females.....	16,747	1128	1179	1376	1301	1413	1296	1447	1625	1568	1451	1410	1540	13
	Unknown.....	61	3	7	3	1	5	4	7	5	5	3	8	9	1
Alcona.....	Total.....	42	1	3	1	6	3	3	4	6	8	1	2	4	....
	Males.....	15	1	1	1	2	1	1	2	2	3	....	1	....	....
	Females.....	27	....	2	....	4	2	2	2	4	5	1	1	4	....
Allegan.....	Total.....	830	47	54	70	66	72	67	77	103	70	69	65	70	....
	Males.....	427	31	27	38	34	29	33	41	52	32	36	37	37	....
	Females.....	401	16	27	31	31	43	34	36	51	38	33	28	33	....
	Unknown.....	2	....	....	1	1	....	....	....	....	....	....	....	....	....
Alpena.....	Total.....	226	10	16	13	19	25	25	15	17	15	14	26	31	....
	Males.....	113	5	9	3	8	13	14	6	10	10	7	12	16	....
	Females.....	113	5	7	10	11	12	11	9	7	5	7	14	15	....
Antrim.....	Total.....	140	14	10	14	13	14	10	14	9	14	7	9	12	....
	Males.....	77	10	7	5	7	8	4	9	5	4	5	4	9	....
	Females.....	63	4	3	9	6	6	6	5	4	10	2	5	3	....
Baraga.....	Total.....	55	1	3	6	7	7	5	6	2	2	6	7	3	....
	Males.....	27	1	1	3	5	4	4	2	....	1	4	1	1	....
	Females.....	28	....	2	3	2	3	1	4	2	1	2	6	2	....
Barry.....	Total.....	480	32	30	32	40	40	40	46	46	49	41	36	48	....
	Males.....	232	18	19	13	19	18	20	20	24	22	15	18	26	....
	Females.....	248	14	11	19	21	22	20	26	22	27	26	18	22	....
Bay.....	Total.....	1,160	97	80	104	77	75	93	105	108	98	100	99	124	....
	Males.....	626	59	46	51	50	43	55	55	46	56	57	45	63	....
	Females.....	534	38	34	53	27	32	38	50	62	42	43	54	61	....
Benzie.....	Total.....	108	8	11	9	10	11	7	7	12	8	8	5	12	....
	Males.....	55	4	2	5	7	5	4	2	8	6	4	3	5	....
	Females.....	53	4	9	4	3	6	3	5	4	2	4	2	7	....
Berrien.....	Total.....	618	59	47	44	52	59	51	58	54	41	68	51	33	1
	Males.....	331	26	27	26	27	36	27	33	27	22	35	29	16	....
	Females.....	287	33	20	18	25	23	24	25	27	19	33	22	17	1

[a] Except of counties and townships not represented by returns of births in 1881.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Branch	Total	410	21	33	38	26	36	42	30	44	39	43	34	24	....
	Males	200	10	17	21	10	17	15	21	19	16	24	17	13	....
	Females	210	11	16	17	16	19	27	9	25	23	19	17	11	....
Calhoun	Total	547	31	35	42	45	45	43	62	49	56	48	37	54	....
	Males	299	21	22	23	25	17	23	33	26	33	25	23	28	....
	Females	243	10	12	19	20	27	19	28	23	23	23	13	26	....
	Unknown	5	....	1	....	....	1	1	1	....	....	....	1	....	....
Cass	Total	338	12	36	14	25	25	24	42	36	43	32	17	33	1
	Males	159	3	13	7	12	10	13	26	21	21	13	6	13	1
	Females	179	9	23	7	11	15	11	16	15	22	19	11	20	....
Charlevoix	Total	125	5	10	14	11	10	14	10	10	17	6	5	13	....
	Males	61	2	2	8	4	7	4	7	5	10	3	....	9	....
	Females	64	3	8	6	7	3	10	3	5	7	3	5	4	....
Cheboygan	Total	192	12	11	21	14	24	17	15	18	13	21	14	12	....
	Males	97	8	3	13	7	10	7	7	8	7	12	6	9	....
	Females	95	4	8	8	7	14	10	8	10	6	9	8	3	....
Chippewa	Total	65	5	8	6	6	2	4	7	5	6	6	8	2	....
	Males	39	1	5	2	5	....	3	3	3	4	5	7	1	....
	Females	26	4	3	4	1	2	1	4	2	2	1	1	1	....
Clare	Total	84	3	6	4	9	6	7	13	4	10	15	2	5	....
	Males	46	2	3	3	4	4	3	7	2	5	8	2	3	....
	Females	38	1	3	1	5	2	4	6	2	5	7	....	2	....
Clinton	Total	442	25	24	34	31	38	37	39	43	49	39	42	41	....
	Males	217	14	14	18	16	16	19	18	23	24	18	20	17	....
	Females	225	11	10	16	15	22	18	21	20	25	21	22	24	....
Crawford	Total	29	....	2	1	5	4	1	3	3	3	2	2	2	1
	Males	13	....	....	1	4	2	....	2	2	....	2	....	....	....
	Females	16	....	2	....	1	2	1	1	1	3	....	2	2	1
Delta	Total	199	16	13	20	24	15	20	18	14	23	9	13	14	....
	Males	83	5	7	9	12	6	7	9	7	7	6	2	6	....
	Females	116	11	6	11	12	9	13	9	7	16	3	11	8	....
Eaton	Total	608	38	43	53	57	42	42	59	64	47	55	55	53	....
	Males	320	19	24	28	32	20	23	26	30	27	34	24	33	....
	Females	287	19	19	25	25	22	19	33	34	20	21	30	20	....
	Unknown	1	....	....	....	....	....	....	....	....	....	....	1	....	....

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Emmet	Total	134	8	17	14	8	11	8	21	13	9	8	8	9	....
	Males	66	6	8	9	3	6	3	12	4	5	3	4	3	....
	Females	68	2	9	5	5	5	5	9	9	4	5	4	6	....
Genesee	Total	663	49	53	53	56	54	59	66	59	73	40	39	62	....
	Males	316	23	29	30	29	25	26	25	31	34	23	13	28	....
	Females	347	26	24	23	27	29	33	41	28	39	17	26	34	....
Gladwin	Total	12	....	1	1	1	2	1	1	....	2	2	....	1	....
	Males	6	....	1	....	....	1	....	....	....	2	1	....	1	....
	Females	5	....	....	1	1	....	1	1	....	....	1	....	....	....
	Unknown	1	....	....	....	....	1	....	....	....	....	....	....	....	....
Grand Traverse	Total	127	12	5	11	13	12	13	8	14	14	10	3	12	....
	Males	66	5	3	5	7	9	5	6	5	7	5	1	8	....
	Females	61	7	2	6	6	3	8	2	9	7	5	2	4	....
Gratiot	Total	568	25	27	45	45	47	46	54	57	55	59	48	60	....
	Males	287	10	10	17	24	22	29	29	30	31	31	25	29	....
	Females	280	15	16	28	21	25	17	25	27	24	28	23	31	....
	Unknown	1	....	1	....	....	....	....	....	....	....	....	....	....	....
Hillsdale	Total	461	24	36	19	35	54	44	47	53	48	36	31	32	2
	Males	221	13	16	9	20	28	14	18	26	18	19	18	22	....
	Females	240	11	20	10	15	26	30	29	27	30	17	13	10	2
Houghton	Total	765	47	65	57	49	64	60	65	59	79	71	74	75	....
	Males	391	23	44	32	29	28	28	29	23	43	39	36	37	....
	Females	374	24	21	25	20	36	32	36	36	36	32	38	38	....
Huron	Total	546	46	35	37	55	59	43	37	44	41	62	44	43	....
	Males	264	16	13	16	29	31	19	18	25	21	33	23	20	....
	Females	281	30	22	21	26	28	24	19	19	20	29	21	22	....
	Unknown	1	....	....	....	....	....	....	....	....	....	....	....	1	....
Ingham	Total	529	40	43	36	39	48	35	44	47	48	46	54	49	....
	Males	249	21	16	14	18	23	19	27	22	24	17	25	23	....
	Females	279	19	27	22	21	25	16	17	25	24	29	28	26	....
	Unknown	1	....	....	....	....	....	....	....	....	....	....	1	....	....
Ionia	Total	615	27	33	50	47	62	55	62	57	67	54	44	57	....
	Males	330	13	17	27	25	30	33	38	26	33	31	25	32	....
	Females	284	14	16	23	22	32	21	24	31	34	23	19	25	....
	Unknown	1	....	....	....	....	....	1	....	....	....	....	....	....	....
Iosco	Total	198	14	12	14	17	22	21	16	19	21	14	8	20	....
	Males	98	8	9	5	5	10	10	10	8	13	3	4	13	....
	Females	100	6	3	9	12	12	11	6	11	8	11	4	7	....

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Isabella	Total	374	16	29	47	28	43	33	22	33	33	31	37	22	----
	Males	173	6	14	24	12	19	10	10	14	20	18	17	9	----
	Females	201	10	15	23	16	24	23	12	19	13	13	20	13	----
Isle Royal[a]		----	----	----	----	----	----	----	----	----	----	----	----	----	----
Jackson	Total	816	48	56	61	58	79	57	85	66	88	68	80	70	----
	Males	412	24	24	31	34	33	32	38	35	45	41	46	29	----
	Females	404	24	32	30	24	46	25	47	31	43	27	34	41	----
Kalamazoo	Total	565	56	48	42	48	35	35	43	59	55	48	51	45	----
	Males	306	32	29	18	21	17	21	22	34	29	32	23	28	----
	Females	259	24	19	24	27	18	14	21	25	26	16	28	17	----
Kalkaska	Total	88	5	6	8	4	11	11	7	9	7	5	10	5	----
	Males	46	2	4	4	2	5	5	4	8	2	1	8	1	----
	Females	42	3	2	4	2	6	6	3	1	5	4	2	4	----
Kent	Total	1,714	117	124	141	121	147	127	137	139	170	182	148	159	2
	Males	855	58	58	76	57	76	65	67	75	82	100	68	73	----
	Females	857	59	66	65	64	71	62	69	64	88	81	80	86	2
	Unknown	2	----	----	----	----	----	----	1	----	----	1	----	----	----
Keweenaw	Total	308	35	20	21	28	30	27	34	26	24	18	21	24	----
	Males	175	19	15	12	17	15	18	19	16	12	8	12	12	----
	Females	132	16	5	8	11	15	9	15	10	12	10	9	12	----
	Unknown	1	----	----	1	----	----	----	----	----	----	----	----	----	----
Lake	Total	83	4	5	9	2	8	4	6	8	15	5	7	10	----
	Males	39	2	3	5	2	3	1	5	5	3	1	4	5	----
	Females	44	2	2	4	----	5	3	1	3	12	4	3	5	----
Lapeer	Total	550	34	49	44	46	44	44	35	72	54	36	30	62	----
	Males	291	20	25	24	26	25	24	13	41	28	16	15	34	----
	Females	257	14	23	20	20	19	20	22	31	25	20	15	28	----
	Unknown	2	----	1	----	----	----	----	----	----	1	----	----	----	----
Leelanaw	Total	147	10	10	9	11	10	11	15	11	19	18	14	9	----
	Males	71	5	3	4	5	6	6	7	6	7	11	7	4	----
	Females	76	5	7	5	6	4	5	8	5	12	7	7	5	----
Lenawee	Total	707	65	61	57	52	54	43	59	68	60	73	49	64	2
	Males	355	37	31	29	28	26	20	29	25	35	36	25	33	1
	Females	350	28	29	28	24	28	23	30	43	25	37	24	30	1
	Unknown	2	----	1	----	----	----	----	----	----	----	----	----	1	----

[a] No returns from county clerk.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Livingston	Total	428	30	31	36	31	33	30	39	36	44	43	43	32	----
	Males	226	16	15	17	17	19	14	20	14	21	26	25	22	----
	Females	202	14	16	19	14	14	16	19	22	23	17	18	10	----
Mackinac	Total	29	2	5	----	3	4	5	2	2	1	2	----	3	----
	Males	12	----	1	----	1	3	3	2	----	----	1	----	1	----
	Females	17	2	4	----	2	1	2	----	2	1	1	----	2	----
Macomb	Total	608	38	45	55	55	34	40	57	67	55	65	50	47	----
	Males	309	18	17	27	28	19	20	28	34	27	42	27	22	----
	Females	298	19	28	28	27	15	20	29	33	28	23	23	25	----
	Unknown	1	1	----	----	----	----	----	----	----	----	----	----	----	----
Manistee	Total	405	23	30	40	36	39	24	36	30	35	36	39	37	----
	Males	221	11	19	18	21	23	11	21	17	21	19	22	16	----
	Females	182	12	11	22	13	16	13	15	13	14	17	16	20	----
	Unknown	2	----	----	----	----	----	----	----	----	----	----	1	1	----
Manitou	Total	19	----	----	3	1	2	1	----	2	----	5	4	1	----
	Males	8	----	----	----	----	2	1	----	1	----	2	1	1	----
	Females	11	----	----	3	1	----	----	----	1	----	3	3	----	----
Marquette	Total	810	47	52	77	62	65	67	69	81	75	74	55	81	5
	Males	415	25	29	41	31	34	39	38	40	37	39	25	35	2
	Females	383	21	22	36	31	30	27	29	40	37	35	29	43	3
	Unknown	12	1	1	----	----	1	1	2	1	1	----	1	3	----
Mason	Total	234	11	19	21	24	19	25	17	37	9	16	14	21	1
	Males	111	6	5	10	15	8	12	9	12	6	11	6	11	----
	Females	123	5	14	11	9	11	13	8	25	3	5	8	10	1
Mecosta	Total	294	20	26	19	17	31	25	31	26	26	24	22	27	----
	Males	153	13	15	8	8	14	18	17	13	14	11	10	12	----
	Females	140	7	11	11	9	17	7	14	13	12	13	11	15	----
	Unknown	1	----	----	----	----	----	----	----	----	----	----	1	----	----
Menominee	Total	347	28	39	32	23	28	24	22	21	31	25	30	44	----
	Males	176	11	16	13	12	16	13	13	10	16	17	15	24	----
	Females	171	17	23	19	11	12	11	9	11	15	8	15	20	----
Midland	Total	163	8	9	18	17	24	18	17	13	7	11	6	15	----
	Males	83	1	4	8	10	15	9	8	7	2	8	4	7	----
	Females	79	7	5	9	7	9	9	9	6	5	3	2	8	----
	Unknown	1	----	----	1	----	----	----	----	----	----	----	----	----	----

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Missaukee	Total	61	5	4	4	8	3	5	6	2	7	4	8	5	....
	Males	30	3	3	3	3	....	2	1	2	3	1	5	4	....
	Females	30	2	1	1	5	3	3	5	....	4	3	2	1	....
	Unknown	1	....	....	....	....	....	....	....	....	....	....	1	....	....
Monroe	Total	731	59	57	65	74	53	25	37	60	73	80	60	88	....
	Males	387	34	21	33	40	27	13	21	35	42	45	35	41	....
	Females	344	25	36	32	34	26	12	16	25	31	35	25	47	....
Montcalm	Total	466	32	36	35	38	37	34	36	51	49	37	38	43	....
	Males	263	19	23	18	22	23	17	20	32	26	19	24	20	....
	Females	202	13	13	17	16	14	17	16	18	23	18	14	23	....
	Unknown	1	....	....	....	....	....	....	....	1	....	....	....	....	....
Montmorency	Total	8	....	....	1	....	....	1	1	....	1	3	1	....	....
	Males	5	....	....	1	....	....	1	....	....	1	2	....	....	....
	Females	3	....	....	....	....	....	....	1	....	....	1	1	....	....
Muskegon	Total	713	48	41	58	63	58	66	61	65	50	67	54	79	3
	Males	375	26	20	33	36	31	39	26	36	26	35	22	42	3
	Females	337	22	21	25	27	27	27	35	29	24	32	32	36	....
	Unknown	1	....	....	....	....	....	....	....	....	....	....	....	1	....
Newaygo	Total	245	8	20	22	26	19	19	22	26	18	19	25	21	....
	Males	123	4	12	11	17	6	9	15	13	12	8	10	6	....
	Females	122	4	8	11	9	13	10	7	13	6	11	15	15	....
Oakland	Total	513	27	28	52	33	47	40	44	55	42	41	54	46	4
	Males	280	13	18	29	21	26	19	21	31	22	23	31	23	3
	Females	231	14	10	23	12	21	21	22	23	20	18	23	23	1
	Unknown	2	....	....	....	....	....	....	1	1	....	....	....	....	....
Oceana	Total	240	11	13	22	16	28	28	23	28	20	18	16	17	....
	Males	126	8	8	11	7	16	17	16	11	7	9	7	9	....
	Females	114	3	5	11	9	12	11	7	17	13	9	9	8	....
Ogemaw	Total	39	2	5	3	3	6	2	2	4	....	3	4	5	....
	Males	24	....	2	2	2	3	2	....	3	....	2	3	5	....
	Females	14	2	3	1	1	3	....	1	1	....	1	1	....	....
	Unknown	1	....	....	....	....	....	....	1	....	....	....	....	....	....
Ontonagon	Total	47	1	2	3	7	7	1	7	4	3	2	2	8	....
	Males	24	1	1	1	2	5	1	4	1	2	1	1	4	....
	Females	23	....	1	2	5	2	....	3	3	1	1	1	4	....

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Osceola	Total	279	16	10	21	32	24	32	26	34	22	23	15	24	....
	Males	157	8	6	8	25	12	20	12	20	11	14	9	12	....
	Females	122	8	4	13	7	12	12	14	14	11	9	6	12	....
Oscoda	Total	8	....	....	....	....	1	2	3	1	....	....	1	....	....
	Males	4	....	....	....	....	1	1	1	1	....	....	....	....	....
	Females	4	....	....	....	....	....	1	2	....	....	....	1	....	....
Otsego	Total	50	1	3	2	4	6	7	5	4	5	5	3	5	....
	Males	34	....	1	2	3	4	5	4	4	3	3	2	3	....
	Females	16	1	2	....	1	2	2	1	....	2	2	1	2	....
Ottawa	Total	787	68	51	64	71	60	47	54	92	75	66	65	73	1
	Males	415	35	27	33	41	35	23	29	43	38	38	37	35	1
	Females	368	33	22	31	30	23	24	25	49	37	28	28	38	....
	Unknown	4	....	2	....	....	2	....	....	....	....	....	....	....	....
Presque Isle	Total	124	5	7	15	15	9	8	14	14	5	7	14	11	....
	Males	58	3	5	5	8	4	3	6	8	2	3	5	6	....
	Females	66	2	2	10	7	5	5	8	6	3	4	9	5	....
Roscommon	Total	33	7	2	5	1	1	5	2	2	3	2	2	1	....
	Males	20	3	2	3	1	1	4	2	1	1	1	....	1	....
	Females	13	4	....	2	....	....	1	....	1	2	1	2	....	....
Saginaw	Total	1,518	127	117	136	131	114	127	126	146	131	105	121	137	....
	Males	800	78	58	72	63	62	63	68	82	68	52	66	68	....
	Females	718	49	59	64	68	52	64	58	64	63	53	55	69	....
Sanilac	Total	689	43	51	56	60	75	58	48	68	68	59	51	52	....
	Males	346	21	28	30	28	45	29	27	34	29	25	24	26	....
	Females	342	22	23	26	32	30	29	21	34	39	33	27	26	....
	Unknown	1	....	....	....	....	....	....	....	....	....	1	....	....	....
Schoolcraft	Total	16	2	....	2	1	1	2	3	3	1	1	....	....	....
	Males	9	2	....	1	....	1	1	2	1	1	....	....	....	....
	Females	7	....	....	1	1	....	1	1	2	....	1	....	....	....
Shiawassee	Total	470	31	33	23	30	39	33	47	56	47	59	36	36	....
	Males	270	20	26	11	20	13	22	28	36	28	32	18	16	....
	Females	197	10	7	12	10	26	10	19	20	18	27	18	20	....
	Unknown	3	1	....	....	....	....	1	....	....	1	....	....	....	....
St. Clair	Total	952	58	70	84	70	68	92	77	99	89	86	72	87	....
	Males	482	30	31	42	42	36	49	39	47	45	43	30	48	....
	Females	463	28	39	42	28	32	43	38	51	42	42	41	37	....
	Unknown	7	....	....	....	....	....	....	....	1	2	1	1	2	....

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
St. Joseph	Total	402	27	24	22	37	47	27	35	41	35	38	33	36	----
	Males	205	17	11	14	20	21	17	11	17	17	20	21	19	----
	Females	197	10	13	8	17	26	10	24	24	18	18	12	17	----
Tuscola	Total	583	33	33	57	46	45	53	51	59	60	52	50	44	----
	Males	313	15	21	34	30	21	24	30	36	31	24	23	24	----
	Females	270	18	12	23	16	24	29	21	23	29	28	27	20	----
Van Buren	Total	512	32	37	50	39	37	36	50	48	44	42	56	39	2
	Males	271	22	17	29	20	19	24	22	23	24	22	23	24	2
	Females	240	10	20	21	19	18	12	27	25	20	20	33	15	----
	Unknown	1	----	----	----	----	--	----	1	----	----	---	----	----	----
Washtenaw	Total	619	46	37	40	52	56	47	44	49	76	61	51	60	----
	Males	332	25	18	24	32	23	30	23	27	45	30	26	29	----
	Females	287	21	19	16	20	33	17	21	22	31	31	25	31	----
Wayne	Total	4,501	373	279	371	365	308	319	393	411	391	409	419	462	1
	Males	2,357	188	141	191	187	171	168	226	202	195	211	217	259	1
	Females	2,143	185	138	180	178	137	151	167	208	196	198	202	203	----
	Unknown	1	----	----	----	----	--	----	----	1	----	---	----	----	----
Wexford	Total	138	5	6	5	10	10	8	26	16	13	12	11	12	4
	Males	63	3	4	4	5	6	2	8	10	4	3	6	6	2
	Females	74	2	2	1	5	4	6	18	6	9	9	5	6	1
	Unknown	1	----	----	----	----	--	----	----	----	----	---	----	----	1

Table V. furnishes important data concerning the birth-rate and the proportion of the sexes among the different races of people. This table would be more valuable if the statistics concerning the population were more complete. As it is, we are unable to give the population, represented by the returns of births, by males and females of each color. No distinction is made between the Black and the Mulatto in the Census, and for this reason they should be studied together. It appears from "Per Cent. of Children Born to Inhabitants," that the birth-rate was a little greater than the average for all races among the Whites, and less than the average among the Indians and Black and Mulatto. The proportion of males for the year 1881 was greatest among the African race, and the proportion of female children was greatest among the Mulatto when studied separately, but when studied with the Black the proportion of females is smaller than among the White or Indian races.

In Table VI. can be studied the birth-rate in the different counties of the State, based upon the births in 1881 and the population in 1880, according to the U. S. Census for that year. As in previous reports, four propositions are made concerning the influence of the increase or decrease of the birth-rate upon the sex of the children born, which are as follows: 1, greater than average birth-rate, more than average proportion of males; 2, greater than average birth-rate, less than average proportion of males; 3, less than average birth-rate, less than average proportion of males; 4, less than average birth-rate, more than average proportion of males. In two counties there is no statement, but of the 77 remaining counties, the first proposition is true of 15 counties, the second is true of 23 counties, the third is true of 19 counties, and the fourth is true of 20 counties. The supposition that a *greater* than average birth-rate is attended with *less* than an average proportion of male children, and *vice versa* is true for 43 out of 77 counties in 1881. The opposite supposition, therefore, is true of the remaining 34 counties.

Table VI. also shows, by counties, the number of children born among the White, Black, Mulatto, and Indian races. The number returned as unknown color was 64, the majority of which were returned from the counties of Eaton and Kent.

TABLE V.—*Exhibiting, by Color and by Sex, the Number of Inhabitants of Michigan June 1, 1880, the Number of Children returned as having been born in the State during the Year 1881, the Per Cent. of Children born in 1881 to Inhabitants in 1880, the Per Cent. of Children of each Sex to the Total Number of both Sexes, and the Number of Inhabitants to each Child born of the Same Color.* (*Still-births included.*)

COLOR OR RACE.	SEX.	Population June 1, 1880, Represented by Births in 1881.	Children Born in 1881.	Per Cent. of births of each Color to total of all Colors, by Sex.	Per Cent. of Children Born to Inhabitants.	Per Cent. of each Sex to Children of both Sexes.	Inhabitants to One Child Born, by Color and Sex.
All Colors	Total	[a] 1,629,655	34,749	100.00	2.13	.....	46.90
	Males	857,968	17,941	100.00	2.09	51.72	47.82
	Females	771,687	16,747	100.00	2.17	48.28	46.08
	Unknown	.....	61	100.00	.....	.....	.....
White	Total	1,607,496	34,387	98.96	2.14	.....	46.75
	Males	.....	17,756	98.97	.....	51.70	.....
	Females	.....	16,589	99.06	.....	48.30	.....
	Unknown	.....	42	68.85	.....	.....	.....
Black	Total	.....	119	.34	.....	.....	.....
	Males	.....	71	.40	.....	59.66	.....
	Females	.....	48	.29	.....	40.34	.....
Mulatto	Total	.....	84	.24	.....	.....	.....
	Males	.....	40	.22	.....	47.62	.....
	Females	.....	44	.26	.....	52.38	.....
Indian	Total	7,044	95	.27	1.35	.....	74.15
	Males	.....	51	.28	.....	53.68	.....
	Females	.....	44	.26	.....	46.32	.....
Unk. color	Total	.....	64	.18	.....	.....	.....
	Males	.....	23	.13	.....	51.11	.....
	Females	.....	22	.13	.....	48.89	.....
	Unknown	.....	19	31.15	.....	.....	.....
Black and Mulatto	Total	15,087	203	.58	1.35	.....	74.32
	Males	.....	111	.62	.....	54.68	.....
	Females	.....	92	.55	.....	45.32	.....

[a] Includes 28 Asiatics.

TABLE VI.—*Exhibiting for the State and Counties of Michigan, by Sex, the Population in 1880, the Per Cent. of Births in 1881 to Population in 1880, the Number of Males to 100 Females born during the Year 1881, and, by Sex and by Color, the Number of Children Born during the Year 1881. (Still-births included.)*

STATE AND COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1881.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1881. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
State [a]	107	Total	.....	1,629,655	2.13	34,749	34,387	[b] 119	84	[c] 95	64
		Males	51.72	857,968	2.09	17,941	17,756	71	40	51	23
		Females	48.28	771,687	2.17	16,747	16,589	48	44	44	22
		Unknown	.....	.....	.....	61	42	.....	.....	.....	19
Alcona	56	Total	.....	3,107	1.35	42	42	.....	.....	.....	.....
		Males	35.71	1,945	.77	15	15	.....	.....	.....	.....
		Females	64.29	1,162	2.32	27	27	.....	.....	.....	.....
Allegan	106	Total	.....	37,815	2.19	830	828	.....	.....	2	.....
		Males	51.57	19,732	2.16	427	426	.....	.....	1	.....
		Females	48.43	18,083	2.22	401	400	.....	.....	1	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....
Alpena	100	Total	.....	8,789	2.57	226	224	2	.....	.....	.....
		Males	50.00	5,161	2.19	113	111	2	.....	.....	.....
		Females	50.00	3,628	3.11	113	113	.....	.....	.....	.....
Antrim	122	Total	.....	5,237	2.67	140	140	.....	.....	.....	.....
		Males	55.00	2,867	2.69	77	77	.....	.....	.....	.....
		Females	45.00	2,370	2.66	63	63	.....	.....	.....	.....
Baraga	96	Total	.....	1,804	3.05	55	39	.....	.....	[d] 16	.....
		Males	49.09	1,036	2.61	27	20	.....	.....	7	.....
		Females	50.91	768	3.65	28	19	.....	.....	9	.....
Barry	94	Total	.....	25,317	1.90	480	480	.....	.....	.....	.....
		Males	48.33	13,284	1.75	232	232	.....	.....	.....	.....
		Females	51.67	12,033	2.06	248	248	.....	.....	.....	.....
Bay	117	Total	.....	38,081	3.05	1,160	1,158	.....	2	.....	.....
		Males	53.97	21,098	2.97	626	625	.....	1	.....	.....
		Females	46.03	16,983	3.14	534	533	.....	1	.....	.....
Benzie	104	Total	.....	3,433	3.15	108	104	3	1	.....	.....
		Males	50.93	1,862	2.95	55	51	3	1	.....	.....
		Females	49.07	1,571	3.37	53	53	.....	.....	.....	.....

[a] For counties and townships from which no returns of births were received, see Table XXI.
[b] 2 males and 1 female "Colored."
[c] 5 males and 6 females White and Indian.
[d] 2 males and 4 females White and Indian.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1881.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1881.					
						Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Berrien	115	Total	.....	36,785	1.68	618	612	3	3	.....	.....
		Males	53.56	18,805	1.76	331	327	2	2	.....	.....
		Females	46.44	17,980	1.60	287	285	1	1	.....	.....
Branch	95	Total	.....	27,941	1.47	410	409	1	.....	.....	.....
		Males	48.78	14,240	1.40	200	199	1	.....	.....	.....
		Females	51.22	13,701	1.53	210	210	.....	.....	.....	.....
Calhoun	123	Total	.....	38,452	1.42	547	534	6	1	.....	6
		Males	55.17	19,599	1.53	299	288	6	1	.....	4
		Females	44.83	18,853	1.29	243	241	.....	.....	.....	2
		Unknown	.....	.....	.....	5	5	.....	.....	.....	.....
Cass	89	Total	.....	22,009	1.54	338	309	8	21	.....	.....
		Males	47.04	11,350	1.40	159	149	3	7	.....	.....
		Females	52.96	10,659	1.68	179	160	5	14	.....	.....
Charlevoix	95	Total	.....	4,117	3.04	125	116	1	.....	8	.....
		Males	48.80	2,200	2.77	61	56	1	.....	4	.....
		Females	51.20	1,917	3.34	64	60	.....	.....	4	.....
Cheboygan	102	Total	.....	6,524	2.94	192	191	.....	.....	1	.....
		Males	50.52	3,760	2.58	97	97	.....	.....	.....	.....
		Females	49.48	2,764	3.44	95	94	.....	.....	1	.....
Chippewa	150	Total	.....	4,777	1.36	65	59	.....	.....	[a] 6	.....
		Males	60.00	2,621	1.49	39	35	.....	.....	4	.....
		Females	40.00	2,156	1.21	26	24	.....	.....	2	.....
Clare	121	Total	.....	4,187	2.01	84	84	.....	.....	.....	.....
		Males	54.76	2,793	1.64	46	46	.....	.....	.....	.....
		Females	45.24	1,394	2.73	38	38	.....	.....	.....	.....
Clinton	96	Total	.....	28,100	1.57	442	441	.....	1	.....	.....
		Males	49.10	14,657	1.48	217	217	.....	.....	.....	.....
		Females	50.90	13,443	1.67	225	224	.....	1	.....	.....
Crawford	81	Total	.....	1,159	2.50	29	29	.....	.....	.....	.....
		Males	44.83	683	1.90	13	13	.....	.....	.....	.....
		Females	55.17	476	3.36	16	16	.....	.....	.....	.....
Delta	72	Total	.....	6,812	2.92	199	199	.....	.....	.....	.....
		Males	41.71	4,172	1.99	83	83	.....	.....	.....	.....
		Females	58.29	2,640	4.39	116	116	.....	.....	.....	.....

[a] 2 males and 1 female White and Indian.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1881.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1881.					
						Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Eaton	111	Total	.....	31,225	1.95	608	584	1	.....	.....	23
		Males	52.72	16,072	1.99	320	306	1	.....	.....	13
		Females	47.28	15,153	1.89	287	277	.....	.....	.....	10
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Emmet	97	Total	.....	6,639	2.02	134	102	.....	1	a 31	.....
		Males	49.25	3,544	1.86	66	48	.....	1	17	.....
		Females	50.75	3,095	2.20	68	54	.....	.....	14	.....
Genesee	91	Total	.....	39,220	1.69	663	657	4	2	.....	.....
		Males	47.66	20,042	1.58	316	313	2	1	.....	.....
		Females	52.34	19,178	1.81	347	344	2	1	.....	.....
Gladwin	120	Total	.....	611	1.96	12	12	.....	.....	.....	.....
		Males	54.55	417	1.44	6	6	.....	.....	.....	.....
		Females	45.45	194	2.58	5	5	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
G. Traverse	108	Total	.....	8,422	1.51	127	127	.....	.....	.....	.....
		Males	51.97	4,608	1.43	66	66	.....	.....	.....	.....
		Females	48.03	3,814	1.60	61	61	.....	.....	.....	.....
Gratiot	103	Total	.....	21,936	2.59	568	568	.....	.....	.....	.....
		Males	50.62	11,687	2.46	287	287	.....	.....	.....	.....
		Females	49.38	10,249	2.73	280	280	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Hillsdale	92	Total	.....	32,723	1.41	461	461	.....	.....	.....	.....
		Males	47.94	16,544	1.34	221	221	.....	.....	.....	.....
		Females	52.06	16,179	1.48	240	240	.....	.....	.....	.....
Houghton	105	Total	.....	22,473	3.40	765	761	1	1	2	.....
		Males	51.11	12,242	3.19	391	388	1	1	1	.....
		Females	48.89	10,231	3.66	374	373	.....	.....	1	.....
Huron	94	Total	.....	20,089	2.72	546	546	.....	.....	.....	.....
		Males	48.44	10,714	2.46	264	264	.....	.....	.....	.....
		Females	51.56	9,375	3.00	281	281	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Ingham	89	Total	.....	33,676	1.57	529	521	.....	7	.....	1
		Males	47.16	17,399	1.43	249	245	.....	4	.....	.....
		Females	52.84	16,277	1.71	279	276	.....	3	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1

a 1 female, White and Indian.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1881.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1881. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Ionia	116	Total	.....	33,872	1.82	615	614	.....	.....	.....	1
		Males	53.75	17,974	1.84	330	330	.....	.....	.....	.....
		Females	46.25	15,898	1.79	284	284	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Iosco	98	Total	.....	6,873	2.88	198	198	.....	.....	.....	.....
		Males	49.49	4,097	2.39	98	98	.....	.....	.....	.....
		Females	50.51	2,776	3.60	100	100	.....	.....	.....	.....
Isabella	86	Total	.....	12,159	3.08	374	367	.....	.....	7	.....
		Males	46.26	6,602	2.62	173	169	.....	.....	4	.....
		Females	53.74	5,557	3.62	201	198	.....	.....	3	.....
Isle Royal.*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	102	Total	.....	42,031	1.94	816	811	3	2	.....	.....
		Males	50.49	21,833	1.89	412	410	1	1	.....	.....
		Females	49.51	20,198	2.00	404	401	2	1	.....	.....
Kalamazoo	118	Total	.....	34,342	1.65	565	558	7	.....	.....	.....
		Males	54.16	17,343	1.76	306	302	4	.....	.....	.....
		Females	45.84	16,999	1.52	259	256	3	.....	.....	.....
Kalkaska	110	Total	.....	2,987	3.00	88	88	.....	.....	.....	.....
		Males	52.27	1,617	2.84	46	46	.....	.....	.....	.....
		Females	47.73	1,320	3.18	42	42	.....	.....	.....	.....
Kent	100	Total	.....	73,253	2.34	1,714	1,689	7	1	.....	17
		Males	49.94	38,014	2.25	855	843	6	.....	.....	6
		Females	50.06	35,239	2.43	857	845	1	1	.....	10
		Unknown	.....	.....	.....	2	1	.....	.....	.....	1
Keweenaw	133	Total	.....	4,270	7.21	308	308	.....	.....	.....	.....
		Males	57.00	2,396	7.30	175	175	.....	.....	.....	.....
		Females	43.00	1,874	7.04	132	132	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Lake	89	Total	.....	3,233	2.57	83	82	.....	.....	1	.....
		Males	46.99	1,941	2.01	39	38	.....	.....	1	.....
		Females	53.01	1,292	3.41	44	44	.....	.....	.....	.....
Lapeer	113	Total	.....	30,138	1.82	550	548	.....	2	.....	.....
		Males	53.10	15,827	1.84	291	289	.....	2	.....	.....
		Females	46.90	14,311	1.80	257	257	.....	.....	.....	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....

* No returns from county clerk to State Department.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1881.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1881.					
						Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Leelanaw...	93	Total.....	.....	6,253	2.35	147	143	2	.....	2	.....
		Males	48.29	3,388	2.10	71	68	2	.....	1	.....
		Females .	51.71	2,865	2.65	76	75	.....	.....	1	.....
Lenawee....	101	Total.....	.....	48,343	1.46	707	702	3	2	.....	.....
		Males	50.35	24,281	1 46	355	351	3	1	.....	.....
		Females .	49.65	24,062	1 45	350	349	.....	1	.....	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....
Livingston..	112	Total.....	.....	22,251	1.92	428	426	2	.....	.....	.....
		Males	52.80	11,620	1.94	226	226	.....	.....	.....	.....
		Females..	47.20	10,631	1.90	202	200	2	.....	.....	.....
Mackinac...	71	Total.....	.....	2,468	1.18	29	29	.....	.....	.....	.....
		Males	41.38	1,395	.86	12	12	.....	.....	.....	.....
		Females .	58.62	1,073	1.58	17	17	.....	.....	.....	.....
Macomb.....	104	Total.	.....	31,627	1.92	608	606	2	.....	.....	.....
		Males	50.91	16,157	1.91	309	309	.....	.....	.....	.....
		Females .	49.09	15,470	1.93	298	296	2	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Manistee....	121	Total.....	.....	12,532	3.23	405	405	.....	.....	.....	.....
		Males	54.84	6,969	3.17	221	221	.....	.....	.....	.....
		Females .	45.16	5,563	3.27	182	182	.....	.....	.....	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....
Manitou.....	73	Total.....	.....	1,334	1.42	19	19	.....	.....	.....	.....
		Males	42.11	718	1.11	8	8	.....	.....	.....	.....
		Females .	57.89	616	1.78	11	11	.....	.....	.....	.....
Marquette..	108	Total.....	.....	24,644	3.29	810	799	2	.....	.....	9
		Males	52.01	14,320	2.90	415	415	.....	.....	.....	.....
		Females .	47.99	10,324	3.71	383	381	2	.....	.....	.....
		Unknown	.....	.....	.....	12	3	.....	.....	.....	9
Mason	90	Total.....	.....	9,925	2.36	234	233	.....	.....	1	.....
		Males	47.44	5,575	1.99	111	111	.....	.....	.....	.....
		Females .	52.56	4,350	2 83	123	122	.....	.....	1	.....
Mecosta	109	Total.....	.....	13,973	2.10	294	290	3	.....	1	.....
		Males	52.22	7,626	2.01	153	152	1	.....	.....	.....
		Females .	47.78	6,347	2.21	140	137	2	.....	1	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births.—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1881.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1881. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Ionia	116	Total	.....	33,872	1.82	615	614	.....	.....	.....	1
		Males	53.75	17,974	1.84	330	330	.....	.....	.....	.....
		Females	46.25	15,898	1.79	284	284	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Iosco	98	Total	.....	6,873	2.88	198	198	.....	.....	.....	.....
		Males	49.49	4,097	2.39	98	98	.....	.....	.....	.....
		Females	50.51	2,776	3.60	100	100	.....	.....	.....	.....
Isabella	86	Total	.....	12,159	3.08	374	367	.....	.....	7	.....
		Males	46.26	6,602	2.62	173	169	.....	.....	4	.....
		Females	53.74	5,557	3.62	201	198	.....	.....	3	.....
Isle Royal.*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	102	Total	.....	42,031	1.94	816	811	3	2	.....	.....
		Males	50.49	21,833	1.89	412	410	1	1	.....	.....
		Females	49.51	20,198	2.00	404	401	2	1	.....	.....
Kalamazoo	118	Total	.....	34,342	1.65	565	558	7	.....	.....	.....
		Males	54.16	17,343	1.76	306	302	4	.....	.....	.....
		Females	45.84	16,999	1.52	259	256	3	.....	.....	.....
Kalkaska	110	Total	.....	2,987	3.00	88	88	.....	.....	.....	.....
		Males	52.27	1,617	2.84	46	46	.....	.....	.....	.....
		Females	47.73	1,320	3.18	42	42	.....	.....	.....	.....
Kent	100	Total	.....	73,253	2.34	1,714	1,689	7	1	.....	17
		Males	49.94	38,014	2.25	855	843	6	.....	.....	6
		Females	50.06	35,239	2.43	857	845	1	1	.....	10
		Unknown	.....	.....	.....	2	1	.....	.....	.....	1
Keweenaw	133	Total	.....	4,270	7.21	308	308	.....	.....	.....	.....
		Males	57.00	2,396	7.30	175	175	.....	.....	.....	.....
		Females	43.00	1,874	7.04	132	132	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Lake	89	Total	.....	3,233	2.57	83	82	.....	.....	1	.....
		Males	46.99	1,941	2.01	39	38	.....	.....	1	.....
		Females	53.01	1,292	3.41	44	44	.....	.....	.....	.....
Lapeer	113	Total	.....	30,138	1.82	550	548	.....	2	.....	.....
		Males	53.10	15,827	1.84	291	289	.....	2	.....	.....
		Females	46.90	14,311	1.80	257	257	.....	.....	.....	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....

* No returns from county clerk to State Department.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1881.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1881. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Leelanaw...	93	Total.....	.....	6,253	2.35	147	143	2	.....	2	.....
		Males	48.29	3,388	2.10	71	68	2	.....	1	.....
		Females .	51.71	2,865	2.65	76	75	.....	.....	1	.....
Lenawee....	101	Total.....	.....	48,343	1.46	707	702	3	2	.....	.....
		Males	50.35	24,281	1 46	355	351	3	1	.....	.....
		Females .	49.65	24,062	1 45	350	349	.....	1	.....	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....
Livingston..	112	Total.....	.....	22,251	1.92	428	426	2	.....	.....	.....
		Males	52.80	11,620	1.94	226	226	.....	.....	.....	.....
		Females..	47.20	10,631	1.90	202	200	2	.....	.....	.....
Mackinac...	71	Total.....	.....	2,468	1.18	29	29	.....	.....	.....	.....
		Males	41.38	1,395	.86	12	12	.....	.....	.....	.....
		Females .	58.62	1,073	1.58	17	17	.....	.....	.....	.....
Macomb.....	104	Total.	.....	31,627	1.92	608	606	2	.....	.....	.....
		Males	50.91	16,157	1.91	309	309	.....	.....	.....	.....
		Females .	49.09	15,470	1.93	298	296	2	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Manistee....	121	Total.....	.....	12,532	3.23	405	405	.....	.....	.....	.....
		Males	54.84	6,969	3.17	221	221	.....	.....	.....	.....
		Females .	45.16	5,563	3.27	182	182	.....	.....	.....	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....
Manitou.....	73	Total.....	.....	1,334	1.42	19	19	.....	.....	.....	.....
		Males	42.11	718	1.11	8	8	.....	.....	.....	.....
		Females .	57.89	616	1.78	11	11	.....	.....	.....	.....
Marquette..	108	Total.....	.....	24,644	3.29	810	799	2	.....	.....	9
		Males	52.01	14,320	2.90	415	415	.....	.....	.....	.....
		Females .	47.99	10,324	3.71	383	381	2	.....	.....	.....
		Unknown	.....	.....	.....	12	3	.....	.....	.....	9
Mason	90	Total.....	.....	9,925	2.36	234	233	.....	.....	1	.....
		Males	47.44	5,575	1.99	111	111	.....	.....	.....	.....
		Females .	52.56	4,350	2.83	123	122	.....	.....	1	.....
Mecosta	109	Total.....	.....	13,973	2.10	294	290	3	.....	1	.....
		Males	52.22	7,626	2.01	153	152	1	.....	.....	.....
		Females .	47.78	6,347	2.21	140	137	2	.....	1	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1881.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1881. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Menominee.	103	Total	.....	11,987	2.89	347	346	.....	.....	* 1	.....
		Males	50.72	8,000	2.20	176	175	.....	.....	1	.....
		Females	49.28	3,987	4.29	171	171	.....	.....	.....	.....
Midland	105	Total	.....	6,893	2.36	163	163	.....	.....	.....	.....
		Males	51.23	3,780	2.20	83	83	.....	.....	.....	.....
		Females	48.77	3,113	2.54	79	79	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Missaukee	100	Total	.....	1,553	3.93	61	61	.....	.....	.....	.....
		Males	50.00	942	3.18	30	30	.....	.....	.....	.....
		Females	50.00	611	4.91	30	30	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Monroe	113	Total	.....	33,624	2.17	731	728	.....	3	.....	.....
		Males	52.94	17,250	2.19	387	384	.....	3	.....	.....
		Females	47.06	16,374	2.10	344	344	.....	.....	.....	.....
Montcalm	130	Total	.....	31,166	1.50	466	465	.....	.....	.....	1
		Males	56.56	17,045	1.54	263	263	.....	.....	.....	.....
		Females	43.44	14,121	1.43	202	202	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Montmorency	167	Total	.....	.....	.....	8	8	.....	.....	.....	.....
		Males	62.50	.....	.....	5	5	.....	.....	.....	.....
		Females	37.50	.....	.....	3	3	.....	.....	.....	.....
Muskegon	111	Total	.....	26,586	2.68	713	712	.....	.....	.....	1
		Males	52.67	14,784	2.54	375	375	.....	.....	.....	.....
		Females	47.33	11,802	2.86	337	337	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Newaygo	101	Total	.....	14,176	1.73	245	244	.....	1	.....	.....
		Males	50.20	8,069	1.52	123	123	.....	.....	.....	.....
		Females	49.80	6,107	2.00	122	121	.....	1	.....	.....
Oakland	121	Total	.....	41,537	1.24	513	507	3	1	.....	2
		Males	54.79	21,327	1.31	280	278	1	1	.....	.....
		Females	45.21	20,210	1.14	231	229	2	.....	.....	.....
		Unknown	.....	.....	.....	2	.....	.....	.....	.....	2
Oceana	111	Total	.....	11,699	2.05	240	235	1	.....	4	.....
		Males	52.50	6,444	1.96	126	123	.....	.....	3	.....
		Females	47.50	5,255	2.17	114	112	1	.....	1	.....

* 1 male White and Indian.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1881.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1881.					
						Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Ogemaw	171	Total	.....	1,914	2.04	39	39	.....	.....	.....	.....
		Males	63.16	1,168	2.05	24	24	.....	.....	.....	.....
		Females	36.84	746	1.88	14	14	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Ontonagon	104	Total	.....	1,605	2.93	47	47	.....	.....	.....	.....
		Males	51.06	837	2.87	24	24	.....	.....	.....	.....
		Females	48.94	768	2.99	23	23	.....	.....	.....	.....
Osceola	129	Total	.....	10,777	2.59	279	279	.....	.....	.....	.....
		Males	56.27	6,015	2.61	157	157	.....	.....	.....	.....
		Females	43.73	4,762	2.56	122	122	.....	.....	.....	.....
Oscoda	100	Total	.....	467	1.71	8	8	.....	.....	.....	.....
		Males	50.00	291	1.37	4	4	.....	.....	.....	.....
		Females	50.00	176	2.27	4	4	.....	.....	.....	.....
Otsego	213	Total	.....	1,974	2.53	50	50	.....	.....	.....	.....
		Males	68.00	1,137	2.99	34	34	.....	.....	.....	.....
		Females	32.00	837	1.91	16	16	.....	.....	.....	.....
Ottawa	113	Total	.....	33,126	2.38	787	784	1	1	.....	1
		Males	53.00	17,472	2.38	415	414	1	.....	.....	.....
		Females	47.00	15,654	2.35	368	367	.....	1	.....	.....
		Unknown	.....	.....	.....	4	3	.....	.....	.....	1
Presque Isle	88	Total	.....	3,113	3.98	124	124	.....	.....	.....	.....
		Males	46.77	1,701	3.41	58	58	.....	.....	.....	.....
		Females	53.23	1,412	4.67	66	66	.....	.....	.....	.....
Roscommon	154	Total	.....	1,459	2.26	33	33	.....	.....	.....	.....
		Males	60.61	1,096	1.82	20	20	.....	.....	.....	.....
		Females	39.39	363	3.58	13	13	.....	.....	.....	.....
Saginaw	111	Total	.....	59,095	2.57	1,518	1,506	4	1	7	.....
		Males	52.70	31,803	2.52	800	794	1	.....	5	.....
		Females	47.30	27,292	2.63	718	712	3	1	2	.....
Sanilac	101	Total	.....	26,341	2.62	689	689	.....	.....	.....	.....
		Males	50.29	14,023	2.47	346	346	.....	.....	.....	.....
		Females	49.71	12,318	2.78	342	342	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1880 Represented by Births in 1881.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1881. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Schoolcraft.	129	Total	.....	1,305	1.23	16	16	.....	.....	.....	.....
		Males	56.25	923	.98	9	9	.....	.....	.....	.....
		Females	43.75	382	1.83	7	7	.....	.....	.....	.....
Shiawassee.	137	Total	.....	27,059	1.74	470	470	.....	.....	.....	.....
		Males	57.82	14,248	1.89	270	270	.....	.....	.....	.....
		Females	42.18	12,811	1.54	197	197	.....	.....	.....	.....
		Unknown	.....	.....	.....	3	3	.....	.....	.....	.....
St. Clair.	104	Total	.....	46,197	2.06	952	949	3	.....	.....	.....
		Males	51.01	23,922	2.01	482	480	2	.....	.....	.....
		Females	48.99	22,275	2.08	463	462	1	.....	.....	.....
		Unknown	.....	.....	.....	7	7	.....	.....	.....	.....
St. Joseph.	104	Total	.....	26,626	1.51	402	398	1	3	.....	.....
		Males	51.00	13,516	1.52	205	205	.....	.....	.....	.....
		Females	49.00	13,110	1.50	197	193	1	3	.....	.....
Tuscola.	116	Total	.....	25,738	2.27	583	583	.....	.....	.....	.....
		Males	53.69	13,644	2.29	313	313	.....	.....	.....	.....
		Females	46.31	12,094	2.15	270	270	.....	.....	.....	.....
Van Buren.	113	Total	.....	30,807	1.66	512	497	4	9	2	.....
		Males	53.03	15,757	1.72	271	264	1	6	.....	.....
		Females	46.97	15,050	1.59	240	232	3	3	2	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Washtenaw.	116	Total	.....	41,848	1.48	619	607	8	4	.....	.....
		Males	53.63	21,250	1.56	332	325	5	2	.....	.....
		Females	46.37	20,598	1.39	287	282	3	2	.....	.....
Wayne.	110	Total	.....	166,444	2.70	4,501	4,451	[a] 33	14	2	1
		Males	52.38	82,917	2.84	2,357	2,330	21	5	1	.....
		Females	47.62	83,527	2.57	2,143	2,121	12	9	1	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Wexford.	85	Total	.....	6,621	2.08	138	136	.....	.....	1	1
		Males	45.99	3,780	1.67	63	62	.....	.....	1	.....
		Females	54.01	2,841	2.60	74	74	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1

[a] 2 males and 1 female "Colored."

PARENT-NATIVITY.

The facts on this important subject will be found in Tables VII., VIII., and Exhibit F. Table VII. shows the number and per cent. of children born of native, foreign, and mixed parentage in Michigan for the year 1881. These percentages vary slightly from year to year. It will be observed that 45.78 per cent. of all the children born during the year were those of native-born parents, and 33.27 per cent. were born of parents who were both foreign-born.

TABLE VII.—*Exhibiting, by Sex, by Number, and by Per Cent. of Total, the Parent-Nativity of Children Born in Michigan during the Year 1881, according to the Returns.*

NATIVITY OF PARENTS OF CHILDREN BORN, 1881.	TOTAL BIRTHS, 1881.							
	NUMBER.				PER CENT. OF TOTAL.			
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All Nativities	34,749	17,941	16,747	61	100.00	100.00	100.00	100.00
Both Parents Native	15,907	8,183	7,706	18	45.78	45.61	46.02	29.51
Both Parents Foreign	11,560	5,941	5,599	20	33.27	33.11	33.43	32.79
Foreign Father and Native Mother	4,078	2,136	1,937	5	11.74	11.91	11.57	8.20
Foreign Mother and Native Father	2,075	1,116	958	1	5.97	6.22	5.72	1.64
Unknown Mother, Father Native	188	95	91	2	.54	.53	.54	3.28
Unknown Mother, Father Foreign	165	73	91	1	.48	.41	.54	1.64
Unknown Father, Mother Native	240	114	125	1	.69	.64	.75	1.64
Unknown Father, Mother Foreign	130	76	54	.....	.37	.42	.32	.....
Both Unknown	406	207	186	13	1.17	1.15	1.11	21.31
One or Both Native	22,488	11,644	10,817	27	64.72	64.90	64.59	44.26
One or Both Foreign	18,008	9,342	8,639	27	51.82	52.07	51.58	44.26

Exhibit F affords an opportunity of comparing, for several years, the evidence relating to the parent-nativity of children born in Michigan. While the per cent. of native and foreign-born is smaller than usual, and below the average for ten years; on the other hand, in both classes of mixed parentage, the percentage for 1881 is larger than ever before. As heretofore, the percentage of children with "Foreign Father and Native Mother" is much larger than of the opposite class.

EXHIBIT F.—*Parent-Nativity of Children returned as having been Born in Michigan during each of the Years 1876 to 1881, inclusive.*

NATIVITY OF PARENTS OF CHILDREN BORN.	1876.		1877.		1878.		1879.		1880.		1881.	
	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.
All Nativities	34,235	100.00	33,395	100.00	35,162	100.00	34,122	100.00	35,323	100.00	34,749	100.00
Both Parents Native	15,551	45.42	15,270	45.73	16,323	46.42	15,864	46.49	16,274	46.07	15,907	45.78
Both Parents Foreign	11,901	34.76	11,557	34.61	11,992	34.10	11,369	33.32	11,982	33.92	11,560	33.27
Foreign Father and Native Mother	3,587	10.48	3,635	10.88	3,861	10.98	3,956	11.59	3,967	11.23	4,078	11.74
Foreign Mother and Native Father	1,868	5.46	1,948	5.83	1,956	5.56	2,039	5.98	2,058	5.83	2,075	5.97
One or Both Unknown	1,328	3.88	985	2.95	1,030	2.93	894	2.62	1,042	2.95	1,129	3.25
One or Both Parents Native [a]	21,006	61.36	20,853	62.44	22,140	62.97	21,859	64.06	22,630	64.07	22,060	63.48
One or Both Parents Foreign [a]	17,356	50.70	17,140	51.33	17,809	50.65	17,364	50.89	18,150	51.38	17,713	50.97
Father — Native	17,703	51.71	17,392	52.08	18,489	52.58	18,045	52.88	18,468	52.28	18,170	52.29
Father — Foreign	15,721	45.92	15,313	45.85	15,981	45.45	15,397	45.12	16,017	45.34	15,803	45.48
Father — Unknown	811	2.37	690	2.07	692	1.97	680	1.99	838	2.37	776	2.23
Mother — Native	19,347	56.51	19,098	57.19	20,389	57.99	20,024	58.68	20,436	57.85	20,225	58.20
Mother — Foreign	13,853	40.46	13,599	40.72	14,032	39.91	13,492	39.54	14,115	39.96	13,765	39.61
Mother — Unknown	1,035	3.02	698	2.09	741	2.11	606	1.78	772	2.19	759	2.18

[a] Excluding cases where nativity of either parent is unknown.

The parent-nativity of children born in Michigan in 1881 may be studied also in Table VIII. This table shows the number of native, foreign, etc., in the different counties of the State.

TABLE VIII.—*Exhibiting, for the State and Counties of Michigan, by Sex, the Total Number of Children Born during the Year 1881, and the Parent-Nativity of such Children, so far as stated in the Returns. (Still-births included.)*

STATE AND COUNTIES.	SEX.	Children Born, 1881.	NATIVITY OF PARENTS OF CHILDREN BORN,—1881.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
State[b]	Total	34,749	15,907	11,560	4,078	2,075	188	[c] 165	240	[d] 130	[e] 406
	Males	17,941	8,183	5,941	2,136	1,116	95	73	114	76	207
	Females	16,747	7,706	5,599	1,937	958	91	91	125	54	186
	Unknown	61	18	20	5	1	2	1	1	.....	13
Alcona	Total	42	11	26	1	3	.....	1	.....	.....	.....
	Males	15	3	10	.....	2	.....	.....	.....	.....	.....
	Females	27	8	16	1	1	.....	1	.....	.....	.....
Allegan	Total	830	484	194	97	40	3	.....	3	1	8
	Males	427	267	79	51	23	1	.....	2	1	3
	Females	401	217	115	46	17	2	.....	1	.....	3
	Unknown	2	.....	.....	.....	.....	.....	.....	.....	.....	2
Alpena	Total	226	19	152	23	15	2	12	.....	1	2
	Males	113	12	65	16	7	2	8	.....	1	2
	Females	113	7	87	7	8	.....	4	.....	.....	.....
Antrim	Total	140	53	47	22	16	.....	.....	1	1	.....
	Males	77	24	27	14	11	.....	.....	1	.....	.....
	Females	63	29	20	8	5	.....	.....	.....	1	.....
Baraga	Total	55	19	27	7	1	.....	.....	1	.....	.....
	Males	27	10	14	3	.....	.....	.....	.....	.....	.....
	Females	28	9	13	4	1	.....	.....	1	.....	.....
Barry	Total	480	364	37	52	20	1	.....	3	1	2
	Males	232	180	12	27	10	1	.....	1	1	.....
	Females	248	184	25	25	10	.....	.....	2	.....	2
Bay	Total	1,160	288	604	150	112	.....	.....	2	1	3
	Males	626	155	320	88	61	.....	.....	.....	.....	2
	Females	534	133	284	62	51	.....	.....	2	1	1
Benzie	Total	108	58	22	13	12	1	1	1	.....	.....
	Males	55	30	13	4	7	1	.....	.....	.....	.....
	Females	53	28	9	9	5	.....	1	1	.....	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] For counties and townships from which no returns of births were received, see Table XXI.
[c] 4 males and 4 females, mother "America." [d] 3 males and 2 females, father "America."
[e] 5 males and 7 females, "America."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1881.	NATIVITY OF PARENTS OF CHILDREN BORN,—1881.[a] Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
Berrien	Total	618	452	87	41	22	7	1	4	.....	4
	Males	331	240	49	23	11	3	.....	3	.....	2
	Females	287	212	38	18	11	4	1	1	.....	2
Branch	Total	410	321	27	29	15	5	.....	5	.....	8
	Males	200	153	17	14	8	2	.....	1	.....	5
	Females	210	168	10	15	7	3	.....	4	.....	3
Calhoun	Total	547	398	62	56	17	5	2	3	.....	4
	Males	299	221	36	30	6	3	1	1	.....	1
	Females	243	174	26	26	11	2	1	2	.....	1
	Unknown	5	3	.....	.....	.....	.....	.....	.....	.....	2
Cass	Total	338	278	23	17	12	2	1	5	.....	.....
	Males	159	130	12	8	7	.....	1	1	.....	.....
	Females	179	148	11	9	5	2	.....	4	.....	.....
Charlevoix	Total	125	66	31	19	7	.....	.....	2	.....	.....
	Males	61	33	15	10	3	.....	.....	.....	.....	.....
	Females	64	33	16	9	4	.....	.....	2	.....	.....
Cheboygan	Total	192	64	81	31	12	1	.....	.....	1	2
	Males	97	26	46	18	6	.....	.....	.....	.....	1
	Females	95	38	35	13	6	1	.....	.....	1	1
Chippewa	Total	65	23	29	3	1	1	.....	3	.....	5
	Males	39	13	16	3	1	1	.....	2	.....	3
	Females	26	10	13	.....	.....	.....	.....	1	.....	2
Clare	Total	84	52	9	8	4	5	.....	4	.....	2
	Males	46	29	6	3	1	4	.....	1	.....	2
	Females	38	23	3	5	3	1	.....	3	.....	.....
Clinton	Total	442	329	45	48	15	1	.....	1	.....	3
	Males	217	160	20	25	8	1	.....	.....	.....	3
	Females	225	169	25	23	7	.....	.....	1	.....	.....
Crawford	Total	29	23	4	1	1	.....	.....	.....	.....	.....
	Males	13	8	4	1	.....	.....	.....	.....	.....	.....
	Females	16	15	.....	.....	1	.....	.....	.....	.....	.....
Delta	Total	199	17	117	22	4	2	6	1	5	25
	Males	83	12	46	7	1	1	3	1	2	10
	Females	116	5	71	15	3	1	3	.....	3	15

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1881.	NATIVITY OF PARENTS OF CHILDREN BORN,—1881.[a] Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
Eaton	Total	608	522	15	40	15	5	.....	7	1	3
	Males	320	278	9	18	8	3	.....	2	.....	2
	Females	287	244	6	22	7	2	.....	4	1	1
	Unknown	1	.....	.....	.....	.....	.....	.....	1	.....	.....
Emmet	Total	134	91	24	8	5	.....	.....	3	1	2
	Males	66	46	11	3	3	.....	.....	2	1	.....
	Females	68	45	13	5	2	.....	.....	1	.....	2
Genesee	Total	663	427	81	93	53	3	.....	3	.....	3
	Males	316	195	43	40	30	2	.....	3	.....	3
	Females	347	232	38	53	23	1	.....	.....	.....	.....
Gladwin	Total	12	5	5	1	1	.....	.....	.....	.....	.....
	Males	6	2	2	1	1	.....	.....	.....	.....	.....
	Females	5	2	3	.....	.....	.....	.....	.....	.....	.....
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Grand Traverse	Total	127	75	28	10	13	.....	.....	.....	1	.....
	Males	66	37	16	3	9	.....	.....	.....	1	.....
	Females	61	38	12	7	4	.....	.....	.....	.....	.....
Gratiot	Total	568	424	48	50	35	.....	.....	9	.....	2
	Males	287	222	25	22	13	.....	.....	4	.....	1
	Females	280	202	23	27	22	.....	.....	5	.....	1
	Unknown	1	.....	.....	1	.....	.....	.....	.....	.....	.....
Hillsdale	Total	461	404	16	15	14	2	.....	3	.....	7
	Males	221	191	7	7	9	1	.....	1	.....	5
	Females	240	213	9	8	5	1	.....	2	.....	2
Houghton	Total	765	47	603	87	24	1	.....	1	2	.....
	Males	391	21	311	44	12	.....	.....	1	2	.....
	Females	374	26	292	43	12	1	.....	.....	.....	.....
Huron	Total	546	69	365	64	38	1	2	1	2	4
	Males	264	31	176	32	18	.....	1	1	2	3
	Females	281	38	188	32	20	1	1	.....	.....	1
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Ingham	Total	529	406	49	40	25	1	.....	1	1	6
	Males	249	196	17	18	11	1	.....	1	1	4
	Females	279	209	32	22	14	.....	.....	.....	.....	2
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1881.	NATIVITY OF PARENT OF CHILDREN BORN.—1881.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father. Native.	MOTHER UNK. Father. Foreign.	FATHER UNK. Mother. Native.	FATHER UNK. Mother. Foreign.	Both Unknown.
Ionia	Total	615	447	52	76	36	.....	.....	2	.....	2
	Males	330	241	31	40	15	.....	.....	1	.....	2
	Females	284	205	21	36	21	.....	.....	1	.....	.....
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Iosco	Total	198	24	118	23	16	.....	.....	.....	.....	17
	Males	98	12	62	10	6	.....	.....	.....	.....	8
	Females	100	12	56	13	10	.....	.....	.....	.....	9
Isabella	Total	374	208	79	58	25	2	.....	.....	.....	2
	Males	173	98	36	24	13	1	.....	.....	.....	1
	Females	201	110	43	34	12	1	.....	.....	.....	1
Isle Royal[b]		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	Total	816	535	148	83	43	1	2	2	1	1
	Males	412	262	73	48	25	.....	.....	2	1	1
	Females	404	273	75	35	18	1	2	.....	.....	.....
Kalamazoo	Total	565	373	108	48	28	.....	.....	2	1	5
	Males	306	201	59	27	14	.....	.....	2	.....	3
	Females	259	172	49	21	14	.....	.....	.....	1	2
Kalkaska	Total	88	58	11	13	5	.....	.....	.....	1	.....
	Males	46	32	6	5	2	.....	.....	.....	1	.....
	Females	42	26	5	8	3	.....	.....	.....	.....	.....
Kent	Total	1,714	783	614	189	80	7	8	14	5	14
	Males	855	386	310	104	37	2	4	4	4	4
	Females	857	395	304	85	43	5	4	10	1	10
	Unknown	2	2	.....	.....	.....	.....	.....	.....	.....	.....
Keweenaw	Total	308	19	234	32	6	.....	6	1	3	7
	Males	175	7	140	13	5	.....	5	.....	1	4
	Females	132	12	93	19	1	.....	1	1	2	3
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Lake	Total	83	43	19	12	7	1	1	.....	.....	.....
	Males	39	19	8	8	3	.....	1	.....	.....	.....
	Females	44	24	11	4	4	1	.....	.....	.....	.....
Lapeer	Total	550	230	176	81	60	.....	.....	1	.....	2
	Males	291	120	95	39	35	.....	.....	1	.....	1
	Females	257	110	80	42	25	.....	.....	.....	.....	.....
	Unknown	2	.....	1	.....	.....	.....	.....	.....	.....	1

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] No returns from county clerk.

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1881.	Nativity of Parents of Children Born,—1881.[a] Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
Leelanaw	Total	147	36	81	19	8	.....	1	1	.....	1
	Males	71	19	38	8	4	.....	.....	1	.....	1
	Females	76	17	43	11	4	.....	1	.....	.....	.....
Lenawee	Total	707	509	91	68	23	4	2	5	.....	5
	Males	355	253	50	33	14	1	.....	2	.....	2
	Females	350	255	41	35	9	3	2	3	.....	2
	Unknown	2	1	.....	.....	.....	.....	.....	.....	.....	1
Livingston	Total	428	326	35	36	22	5	2	1	.....	1
	Males	226	178	15	17	12	2	1	.....	.....	1
	Females	202	148	20	19	10	3	1	1	.....	.....
Mackinac	Total	29	11	14	2	1	.....	1	.....	.....	.....
	Males	12	6	5	1	.....	.....	.....	.....	.....	.....
	Females	17	5	9	1	1	.....	1	.....	.....	.....
Macomb	Total	608	274	216	75	41	.....	.....	.....	[b] 1	1
	Males	309	128	110	44	26	.....	.....	.....	.....	1
	Females	298	146	106	30	15	.....	.....	.....	1	.....
	Unknown	1	.....	.....	1	.....	.....	.....	.....	.....	.....
Manistee	Total	405	99	242	47	13	.....	.....	2	1	1
	Males	221	54	134	25	6	.....	.....	2	.....	.....
	Females	182	43	108	22	7	.....	.....	.....	1	1
	Unknown	2	2	.....	.....	.....	.....	.....	.....	.....	.....
Manitou	Total	19	5	6	5	3	.....	.....	.....	.....	.....
	Males	8	1	4	2	1	.....	.....	.....	.....	.....
	Females	11	4	2	3	2	.....	.....	.....	.....	.....
Marquette	Total	810	65	603	84	18	4	30	1	1	4
	Males	415	35	298	50	12	3	14	1	1	1
	Females	383	30	295	34	6	1	15	.....	.....	2
	Unknown	12	.....	10	.....	.....	.....	1	.....	.....	1
Mason	Total	234	87	97	30	15	1	2	2	.....	.....
	Males	111	41	43	17	7	1	1	1	.....	.....
	Females	123	46	54	13	8	.....	1	1	.....	.....
Mecosta	Total	294	143	82	30	33	.....	.....	1	1	4
	Males	153	66	47	15	23	.....	.....	.....	1	1
	Females	140	76	35	15	10	.....	.....	1	.....	.....
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] 1 female, father "America."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1881.	NATIVITY OF PARENTS OF CHILDREN BORN,—1881.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father. Na-tive.	MOTHER UNK. Father. For-eign.	FATHER UNK. Mother. Na-tive.	FATHER UNK. Mother. For-eign.	Both Unknown.
Menominee	Total	347	44	211	32	9	11	31	.....	.....	9
	Males	176	24	110	20	5	3	11	.....	.....	3
	Females	171	20	101	12	4	8	20	.....	.....	6
Midland	Total	103	75	46	24	14	2	.....	.....	.....	2
	Males	83	45	17	10	10	1	.....	.....	.....	.....
	Females	79	30	29	14	4	.....	.....	.....	.....	2
	Unknown	1	.....	.....	.....	.....	1	.....	.....	.....	.....
Missaukee	Total	61	29	13	12	5	1	.....	.....	.....	1
	Males	30	15	6	6	2	1	.....	.....	.....	.....
	Females	30	13	7	6	3	.....	.....	.....	.....	1
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Monroe	Total	731	507	91	89	42	1	.....	1	.....	.....
	Males	387	273	40	45	27	1	.....	1	.....	.....
	Females	344	234	51	44	15	.....	.....	.....	.....	.....
Montcalm	Total	466	286	75	47	33	1	4	3	5	12
	Males	263	158	42	26	21	1	2	3	3	7
	Females	202	128	33	20	12	.....	2	.....	2	5
	Unknown	1	.....	.....	1	.....	.....	.....	.....	.....	.....
Montmorency	Total	8	.....	5	.....	2	1	.....	.....	.....	.....
	Males	5	.....	2	.....	2	1	.....	.....	.....	.....
	Females	3	.....	3	.....	.....	.....	.....	.....	.....	.....
Muskegon	Total	713	207	365	77	45	3	2	4	1	[b] 9
	Males	375	106	187	44	23	1	1	1	1	5
	Females	337	101	177	33	16	2	1	3	.....	4
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Newaygo	Total	245	144	43	28	19	3	2	3	1	2
	Males	123	75	21	10	13	1	.....	1	1	1
	Females	122	69	22	18	6	2	2	2	.....	1
Oakland	Total	513	336	76	54	22	5	1	8	1	10
	Males	280	182	42	29	12	4	1	5	1	4
	Females	231	154	34	25	10	1	.....	3	.....	4
	Unknown	2	.....	.....	.....	.....	.....	.....	.....	.....	2

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] 1 male, "America."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1881.	NATIVITY OF PARENTS OF CHILDREN BORN,—1881.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father.		FATHER UNK. Mother.		Both Unknown.
							Native.	Foreign.	Native.	Foreign.	
Oceana	Total	240	146	43	23	20	.....	.....	4	.....	4
	Males	126	72	28	13	10	.....	.....	1	.....	2
	Females	114	74	15	10	10	.....	.....	3	.....	2
Ogemaw	Total	39	16	10	5	1	1	1	.....	2	3
	Males	24	10	8	2	.....	1	1	.....	1	1
	Females	14	6	2	3	1	.....	.....	.....	1	1
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Ontonagon	Total	47	9	22	12	3	.....	1	.....	.....	.....
	Males	24	4	9	8	2	.....	1	.....	.....	.....
	Females	23	5	13	4	1	.....	.....	.....	.....	.....
Osceola	Total	279	142	79	30	16	.....	.....	.....	1	11
	Males	157	76	43	20	9	.....	.....	.....	1	8
	Females	122	66	36	10	7	.....	.....	.....	.....	3
Oscoda	Total	8	6	1	1	.....	.....	.....	.....	.....	.....
	Males	4	3	1	.....	.....	.....	.....	.....	.....	.....
	Females	4	3	.....	1	.....	.....	.....	.....	.....	.....
Otsego	Total	50	24	18	1	3	.....	1	1	.....	2
	Males	34	18	10	1	2	.....	1	1	.....	1
	Females	16	6	8	.....	1	.....	.....	.....	.....	1
Ottawa	Total	787	328	302	95	38	6	[b] 11	3	1	[c] 3
	Males	415	188	147	54	18	3	3	2	.....	.....
	Females	368	139	154	40	20	3	8	1	1	2
	Unknown	4	1	1	1	.....	.....	.....	.....	.....	1
Presque Isle	Total	124	3	113	6	2	.....	.....	.....	.....	.....
	Males	58	2	53	2	1	.....	.....	.....	.....	.....
	Females	66	1	60	4	1	.....	.....	.....	.....	.....
Roscommon	Total	33	18	9	4	1	.....	.....	.....	.....	1
	Males	20	11	6	2	1	.....	.....	.....	.....	.....
	Females	13	7	3	2	.....	.....	.....	.....	.....	1
Saginaw	Total	1,518	468	618	247	133	2	1	10	2	38
	Males	800	247	338	116	67	2	1	3	2	24
	Females	718	221	280	131	65	.....	.....	7	.....	14
Sanilac	Total	689	83	425	114	65	.....	.....	2	.....	.....
	Males	346	40	211	64	31	.....	.....	.....	.....	.....
	Females	342	43	213	50	34	.....	.....	2	.....	.....
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] 2 males and 2 females, mother "America." [c] 2 females, "America."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity and Sex.*

COUNTIES.	SEX.	Children Born, 1881.	NATIVITY OF PARENTS OF CHILDREN BORN,—1881.[a] Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
Schoolcraft	Total	16	6	7	1	1	1	.....	.....	.....	.....
	Males	9	3	5	.....	1	.....	.....	.....	.....	.....
	Females	7	3	2	1	.....	1	.....	.....	.....	.....
Shiawassee	Total	470	305	74	49	29	10	2	.....	.....	1
	Males	270	183	42	22	19	3	.....	.....	.....	1
	Females	197	120	32	27	10	6	2	.....	.....	.....
	Unknown	3	2	.....	.....	.....	1	.....	.....	.....	.....
St. Clair	Total	952	279	387	168	104	2	1	3	5	3
	Males	482	148	197	89	42	1	.....	2	1	2
	Females	463	130	186	78	61	1	1	1	4	1
	Unknown	7	1	4	1	1	.....	.....	.....	.....	.....
St. Joseph	Total	402	277	63	27	8	16	1	3	1	6
	Males	205	139	27	17	4	10	1	3	1	3
	Females	197	138	36	10	4	6	.....	.....	.....	3
Tuscola	Total	583	262	181	88	50	1	.....	.....	.....	1
	Males	313	138	98	50	26	1	.....	.....	.....	.....
	Females	270	124	83	38	24	.....	.....	.....	.....	1
Van Buren	Total	512	414	21	43	24	1	1	7	.....	1
	Males	271	220	13	22	12	1	.....	2	.....	1
	Females	240	193	8	21	12	.....	1	5	.....	.....
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Washtenaw	Total	619	325	150	78	45	9	.....	5	1	6
	Males	332	159	91	38	32	4	.....	3	1	4
	Females	287	166	59	40	13	5	.....	2	.....	2
Wayne	Total	4,501	1,040	2,216	649	301	15	[b] 10	79	[c] 75	[d] 116
	Males	2,357	534	1,155	352	168	7	4	39	42	56
	Females	2,143	506	1,061	297	133	8	6	40	33	59
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Wexford	Total	138	64	12	15	6	22	14	2	.....	3
	Males	63	26	4	11	3	11	6	1	.....	1
	Females	74	38	8	4	3	11	8	1	.....	1
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	.....	1

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] 2 males and 2 females, mother "America."
[c] 3 males and 1 female, father "America."
[d] 4 males and 5 females, "America."

TWIN CHILDREN, 1881.

There were 372 cases of plurality births in Michigan during the year 1881; this was 14 more than was recorded in 1880. In 124 cases both children were males; in 112 cases both were females; and in 136 cases there was one child of each sex, making 384 male and 360 female children, with a grand total of 744. In Table IX. the number of twin children are arranged in order, those months being placed first in which occurred the greatest number of twin births. The month of July heads the list with the largest number, while the month of August is at the foot with the smallest number. In 1881 there was an excess of males among the twin children, there being 107 males to 100 females. The proportion of plural births does not vary much from year to year, there being about one plural birth to every one hundred single births.

TABLE IX.—*Exhibiting, by Sex, the Number of Pairs of Twins, and the Number of Twin Children Returned as having been Born in Michigan during the Year 1881, by Months Arranged in Order by Number; also, by Pairs and by Individuals, the Number of Males to 100 Females.*

	YEAR AND MONTHS, 1881.	Number of Twin Children, 1881.				Number of Pairs of Twins, 1881.					
		Total.	Males.	Females.	Males to 100 Females.	Total.	Males.	Females.	One of each Sex.	Males to 100 One of each Sex.	Males to 100 Females.
	Year, 1881	744	384	360	107	372	124	112	136	91	111
More than the Av. No. of Twins.	July	84	45	39	115	42	16	13	13	123	123
	December	74	36	38	95	37	10	11	16	62	91
	January	70	45	25	180	35	16	6	13	123	266
	April	70	40	30	133	35	14	9	12	117	156
	October	70	32	38	84	35	8	11	16	50	73
	March	66	39	27	144	33	14	8	11	127	175
	May	66	36	30	120	33	13	10	10	130	130
	September	64	31	33	94	32	10	11	11	91	91
	Average	62	32	30	107	31	10.5	9.3	11.3	91	111
Less than the Av. No. of Twins.	August	56	23	33	69	28	8	13	7	114	62
	February	54	21	33	64	27	5	11	11	45	45
	June	36	19	17	112	18	5	4	9	55	125
	November	32	16	16	100	16	5	5	6	83	100
	Unknown	2	1	1	100	1	.....	.....	1	100	.....

Statistics in regard to the nativity of the parents of twins may be studied in Table X. From this table it will be seen that of the 372 pairs of twins in 1881, 173, or 46.51 per cent. of all were born of purely native parents. Turning back to Table VII. it will be seen that the proportion of native-born parents is greater for twins than for all children born, and the same is true of

foreign-born parents. The difference, however, is much greater for foreign-born than for native-born parents, which would seem to indicate that there is a larger twin birth-rate among the foreign-born parents than among the native. This fact is also proved by the evidence of former years, and again by comparing the lines "One or Both Native," and "One or Both Foreign," in tables VII. and X. for 1881.

TABLE X.—*Parent-Nativity of Twins Returned as having been Born in Michigan during the Year 1881.*

NATIVITY OF PARENTS OF TWINS, 1881.	PAIRS OF TWINS, 1881.							
	NUMBER.				PER CENT. OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.			
	Total.	Males.	Females.	One of Each Sex.	Total.	Males.	Females.	One of Each Sex.
All Nativities	372	124	112	136	100.00	100.00	100.00	100.00
Both Native	173	60	56	57	46.51	48.39	50.00	41.91
Both Foreign	132	39	40	53	35.48	31.45	35.71	38.97
Foreign Father and Native Mother	42	13	10	19	11.29	10.48	8.93	13.97
Foreign Mother and Native Father	20	10	4	6	5.38	8.06	3.57	4.41
Unknown Mother, Father Native	1	1	.....	.....	.26	.81	.....	.....
Unknown Mother, Father Foreign	.....	.....	.....	.....	.....	.....	.....	.....
Unknown Father, Mother Native	3	1	2	.....	.81	.81	1.79	.74
Unknown Father, Mother Foreign	1	.....	.....	1	.27	.....	.....	.....
Both Unknown	.....	.....	.....	.....	.....	.....	.....	.....
One or Both Native	239	85	72	82	64.25	68.55	64.29	60.29
One or Both Foreign	195	62	54	79	52.42	50.00	48.21	58.09

Exhibit 5 shows, by nativity and color, the per cent. of mothers who bore twins to all mothers. It will be observed that the per cent. is much larger among the foreign-born than among any other nativity or in mothers of all nativities. The per cent. among the black mothers is greater than among any other color.

EXHIBIT 5.—*By Nativity and by Color of Mothers, the Number and Proportion of Twin Births Returned as having occurred in Michigan during the Years 1879 to 1881, inclusive.*

NATIVITY AND COLOR OF MOTHERS OF TWINS.	1879.			1880.			1881.		
	Pairs of Twins.	Whole Number of Mothers, Including those of Twins.	Per Ct. of Births of Twins to all Mothers.	Pairs of Twins.	Whole Number of Mothers, Including those of Twins.	Per Ct. of Births of Twins to all Mothers.	Pairs of Twins.	Whole Number of Mothers, Including those of Twins.	Per Ct. of Births of Twins to all Mothers.
Mothers of all Colors and all Nativities	402	33,716	1.19	358	34,953	1.02	372	34,367	1.08
All Native Mothers	247	19,777	1.25	205	20,223	1.01	218	20,001	1.09
All Foreign Mothers	150	13,338	1.12	150	13,961	1.07	153	13,608	1.12
Mothers of Unknown Nativities	5	601	.83	3	769	.39	1	758	.13
White	400	33,325	1.20	351	34,497	1.02	364	34,013	1.07
Black	1	132	.76	2	127	1.57	3	116	2.59
Mulatto	1	95	1.05	1	72	1.39	2	82	2.44
Indian	.....	122	.....	4	146	2.74	2	93	2.15
Unknown	.....	42	.....	.....	111	.....	1	63	1.59
Black and Mulatto	2	227	.88	3	199	1.51	5	198	2.53

It appears from Table XI. that more than one-half or 52.15 per cent. of the twin-births in 1881 were born of parents who were of the same state or country.

TABLE XI.—*Parent-Nativity of Twins Returned as having been Born in Michigan during the Year 1881,—distinguishing between Parents who were Natives of the same State and those Born in Different States or Countries.*

NATIVITY OF PARENTS OF TWINS, 1881.	PAIRS OF TWINS, 1881.							
	NUMBER.				PER CENT. OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.			
	Total.	Males.	Females.	One of Each Sex.	Total.	Males.	Females.	One of Each Sex.
All Nativities	372	124	112	136	100.00	100.00	100.00	100.00
Same American State or Foreign Country	194	66	55	73	52.15	53.23	49.11	53.67
Different American States or Foreign Countries	111	33	41	37	29.84	26.61	36.61	27.21
Foreign Father and Native Mother	42	13	10	19	11.29	10.48	8.93	13.97
Foreign Mother and Native Father	20	10	4	6	5.38	8.06	3.57	4.41
Unknown Mother, Father Native	1	1	.....	.....	.27	.81	.....	.....
Unknown Mother, Father Foreign	.....	.....	.....	.....	.....	.....	.....	.....
Unknown Father, Mother Native	3	1	2	.....	.81	.81	1.79	.74
Unknown Father, Mother Foreign	1	.....	.....	1	.27	.....	.....	.....
Both Unknown	.....	.....	.....	.....	.....	.....	.....	.....
Different States or Countries [a]	173	56	55	62	46.51	45.16	49.11	45.59

[a] Includes "Different American States or Foreign Countries," "Foreign Father and Native Mother," and "Foreign Mother and Native Father." Compare with "Same American State or Foreign Country," and with same lines in Table XV.,—for still-born children.

TABLE XII.—*Exhibiting, for the State and Counties, by Sex, the number of Pairs of Twins, the Number of Twin Children, and the Nativity of Parents of Twins Returned as having been Born in Michigan during the Year 1881. Nativity stated by Pairs of Twins.*

STATE AND COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	Nativity of Parents of Twins, 1881.[a] Native. Both Parents from Same State.	Native. From Different States.	Foreign. Both from Same Country.	Foreign. From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
State	Total	744	372	93	80	101	31	42	20	1	....	3	1	..
	Males	384	124	[b] 36	[c] 24	[d] 30	[e] 9	[e] 12	10	[f] 1	....	[g] 1	....	..
	Females	360	112	[h] 27	29	[f] 28	12	10	4	....	....	[i] 2	....	..
	One of each	.....	136	30	[j] 27	[k] 43	10	[f] 19	6	....	....	....	1	..
Alcona	Females	2	1	.....	1	.....	.....	....	..	....	....	....	....	..
Allegan	Total	26	13	4	2	4	1	1		....	....	....	....	..
	Males	14	4	3	1	.....	.....	....		....	....	....	....	..
	Females	12	3	1	.....	[f] 1	.....	....		....	....	....	....	..
	One of each	.....	6	.....	1	3	1	1		....	....	....	....	..
Alpena	Total	8	4	.....	.....	4	.....	....		....	....	....	....	..
	Males	2	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	5	1	.....	.....	1	.....	....	....	....	....	....	....	..
	One of each	.....	3	.....	.....	3	.....	....	....	....	....	....	....	..
Antrim	Females	2	1	[f] 1	.....	.....	.....	....	....	....	....	....	....	..
Barry	Total	14	7	3	3	1	....	....	....	....	....	....	....	..
	Males	5	2	[l] 2	.....	.....	.....	....	....	....	....	....	....	..
	Females	9	4	.....	3	1	.....	....	....	....	....	....	....	..
	One of each	.....	1	1	.....	.....	.....	....	....	....	....	....	....	..
Bay	Total	12	6	2	1	2	.....	1	....	....	....	....	....	..
	Males	7	1	.....	.....	.....	.....	1	....	....	....	....	....	..
	Females	5	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	5	2	1	[l] 2	.....	....	....	....	....	....	....	..
Benzie	Total	4	2	[l] 1	.....	.....	.....	1	....	....	....	....	....	..
	Males	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	3	1	[l] 1	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	.....	.....	.....	.....	.....	1	....	....	....	....	....	..

[a] See foot-note [a] to Table VIII.
[b] 3 pairs and 1 male still-born.
[c] 2 males still-born.
[d] 1 male still-born and 1 pair illegitimate.
[e] 1 male still-born.
[f] 1 pair still-born.
[g] 1 pair illegitimate.
[h] 2 pairs and 1 female still-born.
[i] 1 pair still-born, illegitimate, and Mulatto.
[j] 1 pair and 1 male still-born.
[k] 1 pair and 3 males still-born and 1 pair illegitimate.
[l] 1 female still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1881.[a]										
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father.		FATHER UNK. Mother.		Both Unknown.
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Native.	Foreign.	Native.	Foreign.	
Berrien	Total	12	6	3	2	1	.....	.....	.....	.....	.....	.....	.....	..
	Males	10	4	2	1	1	.....	.....	.....	.....	.....	.....	.....	..
	Females	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	2	1	[b] 1	.....	.....	.....	.....	.....	.....	.....	.....	..
Branch	Males	6	3	.....	2	1	.....	.....	.....	.....	.....	.....	.....	..
Calhoun	Total	10	5	2	1	.....	.....	2	.....	.....	.....	.....	.....	..
	Males	5	2	[b] 1	1	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	5	2	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	..
	One of each	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
Cass	Total	10	5	1	3	.....	.....	.....	.....	.....	.....	1	.....	..
	Males	7	3	1	2	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	3	1	.....	.....	.....	.....	.....	.....	.....	.....	[c] 1	.....	..
	One of each	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..
Charlevoix	Total	6	3	.....	.....	2	1	.....	.....	.....	.....	.....	.....	..
	Males	5	2	.....	.....	1	1	.....	.....	.....	.....	.....	.....	..
	Females	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	..
Cheboygan	Males	4	2	.....	.....	1	.....	1	.....	.....	.....	.....	.....	..
Clare	Total	4	2	.....	1	1	.....	.....	.....	.....	.....	.....	.....	..
	Males	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	2	.....	1	1	.....	.....	.....	.....	.....	.....	.....	..
Delta	Total	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	..
	Males	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	..
Eaton	Males	2	1	.....	.....	.....	.....	.....	.....	[d] 1	.....	.....	.....	..
Emmet	Total	6	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	..
	Males	5	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..

[a] See foot-note [a] to Table VIII.
[b] 1 male still-born.
[c] 1 pair still-born, illegitimate, and Mulatto.
[d] 1 pair still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1881.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Genesee	Total	18	9	4	1	2	.....	2	.....	.....	.....	.....	.....	..
	Males	7	3	1	.....	1	.....	1	.....	.....	.....	.....	.....	..
	Females	11	5	[b] 2	1	1	.....	1	.....	.....	.....	.....	.....	..
	One of each	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
Grand Traverse	Total	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..
	Males	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..
Gratiot	Total	20	10	4	3	.....	1	1	1	.....	.....	.....	.....	..
	Males	8	3	[b] 1	1	.....	1	.....	.....	.....	.....	.....	.....	..
	Females	12	5	2	1	.....	.....	1	1	.....	.....	.....	.....	..
	One of each	.....	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	..
Hillsdale	Total	10	5	3	1	.....	.....	.....	1	.....	.....	.....	.....	..
	Males	7	2	1	.....	.....	.....	.....	1	.....	.....	.....	.....	..
	Females	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	..
Houghton	Total	20	10	1	.....	6	2	1	.....	.....	.....	.....	.....	..
	Males	10	2	.....	.....	1	1	.....	.....	.....	.....	.....	.....	..
	Females	10	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	6	1	.....	3	1	1	.....	.....	.....	.....	.....	..
Huron	Total	8	4	.....	1	1	2	.....	.....	.....	.....	.....	.....	..
	Males	5	2	.....	1	.....	1	.....	.....	.....	.....	.....	.....	..
	Females	3	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	..
	One of each	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	..
Ingham	Total	22	11	5	1	1	2	2	.....	.....	.....	.....	.....	..
	Males	11	3	1	1	.....	.....	1	.....	.....	.....	.....	.....	..
	Females	11	3	2	.....	.....	1	.....	.....	.....	.....	.....	.....	..
	One of each	.....	5	2	.....	1	1	1	.....	.....	.....	.....	.....	..
Ionia	Total	6	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	..
	Males	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	..

[a] See foot-note [a] to Table VIII.
[b] 1 pair still-born.
[c] 1 male still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1881.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Iosco	Total	4	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
	Males	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
	Females	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Isabella	Total	6	3	.....	.....	1	1	1	.....	.....	.....	.....	.....	.....
	Males	5	2	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
	Females	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	One of each	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	Total	22	11	3	4	2	.....	1	1	.....	.....	.....	.....	.....
	Males	9	4	.....	1	2	.....	.....	1	.....	.....	.....	.....	.....
	Females	13	6	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
	One of each	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Kalamazoo	Total	22	11	2	3	1	2	2	1	.....	.....	.....	.....	.....
	Males	8	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
	Females	14	4	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....
	One of each	.....	6	.....	2	1	.....	2	1	.....	.....	.....	.....	.....
Kalkaska	Females	2	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Kent	Total	32	16	5	3	4	1	2	1	.....	.....	.....	.....	.....
	Males	16	4	1	.....	2	.....	.....	1	.....	.....	.....	.....	.....
	Females	16	4	.....	2	1	1	.....	.....	.....	.....	.....	.....	.....
	One of each	.....	8	4	[b] 1	1	.....	[b] 2	.....	.....	.....	.....	.....	.....
Keweenaw	Total	6	3	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....
	Males	5	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
	Females	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	One of each	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Lapeer	Total	16	8	4	2	1	1	.....	.....	.....	.....	.....	.....	.....
	Males	10	3	1	.....	1	1	.....	.....	.....	.....	.....	.....	.....
	Females	6	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
	One of each	.....	4	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Leelanaw	Males	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lenawee	Total	24	12	6	4	1	.....	1	.....	.....	.....	.....	.....	.....
	Males	12	5	3	1	1	.....	.....	.....	.....	.....	.....	.....	.....
	Females	12	5	2	2	.....	.....	1	.....	.....	.....	.....	.....	.....
	One of each	.....	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....

[a] See foot-note [a] to Table VIII.
[b] 1 pair still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1881.[a]										
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father.		FATHER UNK. Mother.		Both Unknown.
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Native.	Foreign.	Native.	Foreign.	
Livingston	Females	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Macomb	Total	6	3	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
	Males	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females	4	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	One of each	.....	2	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Manistee	Total	14	7	.....	1	3	2	.....	.....	.....	.....	.....	.....	.....
	Males	5	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
	Females	9	3	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....
	One of each	.....	3	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....
Manitou	Females	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marquette	Total	12	6	.....	1	3	1	.....	.....	.....	.....	.....	.....	.....
	Males	7	3	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....
	Females	5	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
	One of each	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mason	Total	10	5	1	.....	1	2	.....	.....	.....	.....	.....	.....	.....
	Males	5	2	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
	Females	5	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
	One of each	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Mecosta	Total	16	8	3	1	2	.....	.....	1	.....	.....	.....	.....	.....
	Males	11	4	1	1	1	.....	.....	1	.....	.....	.....	.....	.....
	Females	5	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	One of each	.....	3	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Menominee	Total	6	3	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....
	Males	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females	4	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
	One of each	.....	2	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Midland	Females	2	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Monroe	Total	20	10	7	.....	1	.....	.....	2	.....	.....	.....	.....	.....
	Males	13	4	3	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
	Females	7	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	One of each	.....	5	3	.....	1	.....	.....	1	.....	.....	.....	.....	.....

[a] See foot-note [a] to Table VIII.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1881.[a]										
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father.		FATHER UNK. Mother.		Both Unknown.
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Native.	Foreign.	Native.	Foreign.	
Montcalm	Total	18	9	2	5	.....	2	....	....	....	....	....	....	..
	Males	11	5	2	[b] 3	.....	.....	....	....	....	....	....	....	..
	Females	7	3	.....	1	.....	2	....	....	....	....	....	....	..
	One of each	.....	1	.....	1	.....	.....	....	....	....	....	....	....	..
Montmorency	Total	2	1	.....	.....	1	.....	....	....	....	....	....	....	..
	Males	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	.....	[b] 1	.....	....	....	....	....	....	....	..
Muskegon	Total	16	8	3	1	.....	.....	....	4	....	....	....	....	..
	Males	13	6	2	1	.....	.....	....	3	....	....	....	....	..
	Females	3	1	.....	.....	.....	.....	....	1	....	....	....	....	..
	One of each	.....	1	1	.....	.....	.....	....	....	....	....	....	....	..
Newaygo	Total	6	3	1	.....	1	.....	....	1	....	....	....	....	..
	Males	4	1	.....	.....	[b] 1	.....	....	....	....	....	....	....	..
	Females	2	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	2	1	.....	.....	.....	....	1	....	....	....	....	..
Oakland	Total	6	3	1	.....	2	.....	....	....	....	....	....	....	..
	Males	4	2	1	.....	1	.....	....	....	....	....	....	....	..
	Females	2	1	.....	.....	1	.....	....	....	....	....	....	....	..
Oceana	Total	8	4	.....	3	.....	.....	....	1	....	....	....	....	..
	Males	4	1	.....	1	.....	.....	....	....	....	....	....	....	..
	Females	4	1	.....	1	.....	.....	....	....	....	....	....	....	..
	One of each	.....	2	.....	1	.....	.....	....	1	....	....	....	....	..
Ogemaw	Males	2	1	.....	1	.....	.....	....	....	....	....	....	....	..
Osceola	Total	4	2	.....	.....	2	.....	....	....	....	....	....	....	..
	Males	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	3	1	.....	.....	1	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	.....	1	.....	....	....	....	....	....	....	..
Otsego	Males	2	1	.....	1	.....	.....	....	....	....	....	....	....	..
Ottawa	Total	14	7	3	1	2	1	....	....	....	....	....	....	..
	Males	6	1	.....	.....	1	.....	....	....	....	....	....	....	..
	Females	8	2	1	.....	.....	1	....	....	....	....	....	....	..
	One of each	.....	4	2	1	1	.....	....	....	....	....	....	....	..

[a] See foot-note [a] to Table VIII.
[b] 1 male still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1881.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Saginaw	Total	30	15	.....	3	8	2	2	....	....	....	....	....	..
	Males	14	8	.....	[b] 1	.....	[b] 1	1	....	....	....	....	....	..
	Females	16	4	.....	1	2	.....	1	....	....	....	....	....	..
	One of each	.....	8	.....	1	6	1	....	....	....	....	....	....	..
Sanilac	Total	8	4	.....	.....	2	1	1	....	....	....	....	....	..
	Males	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	7	3	.....	.....	2	1	....	....	....	....	....	....	..
	One of each	.....	1	.....	.....	.....	.....	1	....	....	....	....	....	..
Shiawassee	Total	6	3	1	.....	1	.....	....	1	....	....	....	....	..
	Males	5	2	1	.....	.....	.....	....	1	....	....	....	....	..
	Females	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	.....	[b] 1	.....	....	....	....	....	....	....	..
St. Clair	Total	16	8	3	1	.....	1	1	2	....	....	....	....	..
	Males	9	3	1	1	.....	.....	....	1	....	....	....	....	..
	Females	7	2	2	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	3	.....	.....	.....	1	1	1	....	....	....	....	..
St. Joseph	Total	10	5	.....	3	2	.....	....	....	....	....	....	....	..
	Males	4	1	.....	1	.....	.....	....	....	....	....	....	....	..
	Females	6	2	.....	1	1	.....	....	....	....	....	....	....	..
	One of each	.....	2	.....	1	[c] 1	.....	....	....	....	....	....	....	..
Tuscola	Total	12	6	1	1	2	1	1	....	....	....	....	....	..
	Males	7	3	1	.....	1	.....	[b] 1	....	....	....	....	....	..
	Females	5	2	.....	1	.....	1	....	....	....	....	....	....	..
	One of each	.....	1	.....	.....	1	.....	....	....	....	....	....	....	..
Van Buren	Total	4	2	.....	1	.....	.....	1	....	....	....	....	....	..
	Males	3	1	.....	.....	.....	.....	1	....	....	....	....	....	..
	Females	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	1	.....	.....	....	....	....	....	....	....	..
Washtenaw	Total	22	11	4	3	2	.....	1	1	....	....	....	....	..
	Males	9	2	1	.....	1	.....	....	....	....	....	....	....	..
	Females	13	4	3	1	.....	.....	....	....	....	....	....	....	..
	One of each	.....	5	.....	2	1	.....	1	1	....	....	....	....	..

[a] See foot-note [a] to Table VIII.
[b] 1 male still-born.
[c] 1 pair illegitimate.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1881.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Wayne	Total	94	47	3	8	21	2	10	----	----	----	2	1	--
	Males	40	13	[b] 2	------	[c] 6	------	4	----	----	----	[c] 1	----	--
	Females	54	20	1	5	9	1	3	----	----	----	1	----	--
	One of each	------	14	------	3	6	1	3	----	----	----	----	1	--
Wexford	Total	2	1	------	------	------	------	1	----	----	----	----	----	--
	Males	1	------	------	------	------	------	----	----	----	----	----	----	--
	Females	1	------	------	------	------	------	----	----	----	----	----	----	--
	One of each	------	1	------	------	------	------	1	----	----	----	----	----	--

[a] See foot-note [a] to Table VIII.
[b] 1 pair still-born.
[c] 1 pair illegitimate.

TABLE XIII.—*Occupations of Fathers of Twins Born in Michigan during the Year 1881, according to the Returns.*

OCCUPATIONS.	Number of Each.	OCCUPATIONS.	Number of Each.
ALL OCCUPATIONS	372	Clerks	2
		Conductors on R. R.	1
Artesian Well-borer	1	Confectioners	2
Baggage-masters	1	Coopers	2
Bakers	1	Draymen	1
Barbers	1	Engineers	1
Blacksmiths	4	Engine-wipers	1
Book Agents	1	Farmers	184
Book-keepers	2	Finishers	1
Boot and Shoe Manufacturers	1	Firemen	1
Brass-finishers	1	Fishermen	3
Carpenters	14	Foremen	1
Carriage Painters	1	Gardeners	1
Cigar-makers	1	Gas-fitters	1
Cigar Manufacturers	1	Grocers	2

TABLE XIII.—CONTINUED.

OCCUPATIONS.	Number of Each.	OCCUPATIONS.	Number of Each.
Hotel-keepers	2	Plasterers	1
Insurance Agents	1	R. R. Employes	1
Jailers	1	Railroading	1
Jewelers	1	Sailors	1
Jobbers	1	Salesmen	1
Justices of Peace	1	Saloon-keepers	2
Laborers	56	"Saw-mill"	2
Land-lookers	1	Sawyers	1
Lawyers	1	Sewing Machine Agents	1
Loggers	1	Shoe-makers	1
Lumber Inspectors	2	Shoe-fitters	1
Lumbermen	3	Stone-cutters	1
Masons	1	Stone-masons	2
Mechanics	3	Switchmen	1
Merchants	6	Tailors	1
Millers	3	Teachers	2
Mill-hands	1	Teamsters	1
Miners	9	Telegraph Operators	2
Ministers	2	Tinsmiths	1
Moulders	1	Traveling Agents	2
Painters	4	Unknown	7
Physicians	3	Watch-makers	1

TRIPLETS.

There were five cases of triplets reported during the year 1881, of which, in three cases, the parents were both native, and in two cases the parents were both foreign. The parents of all the triplets were white.

TABLE XIX.—*Exhibiting certain Details concerning Triplet Children Returned as having been born in Michigan during the Year 1881.*

COUNTIES.	TRIPLET CHILDREN, 1881.					PARENTS OF TRIPLETS, 1881.		
	Month of Birth, 1881.	Color.	SEX.			Birthplace of Father.	Birthplace of Mother.	Occupation of Father.
			Males.	Females.	Unk.			
Barry	July	White	2	1	.....	New York.	Penn.	Farmer
Berrien	Feb.	White	2	1	.....	U. S.	U. S.	Laborer
Marquette	June	White	.....	3	.....	Ireland	Ireland	Laborer
Menominee	Nov.	White	3	.....	.....	Sweden	Sweden	Miner
Monroe	Dec.	White	2	1	.....	Michigan	New York.	Laborer

STILL-BIRTHS, 1881.

There were six hundred and ninety-one (691) still-born children reported for the year 1881,—a smaller number than has been returned for any year since 1876. 378 were males, 270 were females, and of 43 the sex was not reported. The per cent. of still-births to living births in 1881 was 1.99, or one still-born to every 49 born alive.

According to the evidence in Exhibit 7 a larger proportion of the still-births is born from foreign-born mothers than from native-born mothers.

The proportion of still-births among the white is much smaller than among those of the black and mulatto.

EXHIBIT 6.—*The Relation of Still-births to all Children Returned as having been Born in Michigan during the several Years 1873 to 1881, inclusive, and of the Mothers of Still-born Children to all Mothers Returned as having Borne Children during each of the Years 1873 to 1881, inclusive.*

CHILDREN AND MOTHERS.	TOTAL BIRTHS AND STILL-BIRTHS.								
	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.
All Children born	34,608	31,151	31,958	34,235	33,395	35,162	34,122	35,323	34,749
Still-born Children	a 348	464	629	646	720	793	749	738	691
Per Cent. of Still-born to Total	1.01	1.49	1.97	1.89	2.15	2.26	2.20	2.09	1.99
All Mothers	34,180	30,739	31,586	33,791	33,028	34,729	33,716	34,953	34,367
Mothers of Still-born Children	333	454	613	620	697	765	723	723	678
Per Cent. of Mothers of Still-born Children to All Mothers	.97	1.48	1.94	1.83	2.11	2.20	2.14	2.07	1.97

a As per returns of births.

EXHIBIT 7.—*By Nativity and Color, the Number and Proportion of Mothers having Still-births in Michigan during the Years 1879, 1880, and 1881, according to the Returns.*

NATIVITY AND COLOR OF MOTHERS.	1879.			1880.			1881.		
	Mothers having Still-births.	Whole No. of Moth'rs, including those of Still-births.	Per Cent. of Mothers of Still-births to all Moth'rs.	Mothers having Still-births.	Whole No. of Moth'rs, including those of Still-births.	Per Cent. of Mothers of Still-births to all Moth'rs.	Mothers having Still-births.	Whole No. of Moth'rs, including those of Still-births.	Per Cent. of Mothers of Still-births to all Moth'rs.
Mothers of all colors and all nativities	723	33,716	2.14	723	34,953	2.07	678	34,367	1.97
All native mothers	367	19,777	1.86	371	20,223	1.83	352	20,001	1.76
All foreign mothers	280	13,338	2.10	285	13,961	2.04	272	13,608	2.00
Mothers of unknown nativities	76	601	12.65	67	769	8.71	54	758	7.12
White	706	33,325	2.12	706	34,497	2.05	650	34,013	1.91
Black	4	132	3.03	4	127	3.15	6	116	5.17
Mulatto	2	95	2.11	3	72	4.17	5	82	6.10
Indian	1	122	.82	.....	146	.....	.....	93	.....
Unknown	10	42	23.81	10	111	9.01	17	63	26.98
Black and Mulatto	6	227	2.64	7	199	3.52	11	198	5.56

EXHIBIT 11.—*Occupations of Fathers of Still-born Children in Michigan in 1881, according to the Returns.*

FATHERS.	CHILDREN.			FATHERS.	CHILDREN.		
OCCUPATIONS.	Males.	Females.	Unk.	OCCUPATIONS.	Males.	Females.	Unk.
Agricultural Agents	1	------	------	Lumber Manufacturers	1	------	------
Architects	1	------	------	Machinists	2	2	1
Barbers	2	2	------	Marble-workers	------	1	------
Blacksmiths	6	3	1	"Mantle and Grates"	------	1	------
Boiler-makers	1	------	------	Masons	1	3	------
Boiler Manufacturers	------	1	------	Mechanics	2	------	------
Book-keepers	1	1	------	Merchants	11	4	------
Brakemen	------	1	------	Miners	11	8	7
Brewers	1	2	------	Ministers	1	2	------
Butchers	------	1	1	Millers	1	4	1
Cabinet-makers	------	3	------	Mill-wrights	------	1	------
Carpenters	17	6	------	Moulders	2	------	------
Carpenters and Joiners	1	------	------	Musicians	1	------	------
Carpet-weavers	1	------	------	Painters	1	1	1
Carriage-makers	------	1	------	Pail-makers	1	------	------
Cheese-makers	------	1	------	Physicians	------	2	------
Cigar Dealers	------	1	------	Plasterers	------	2	------
Cigar-makers	4	3	------	Policemen	1	------	------
Clerks	2	------	------	Polishers	1	------	------
Coachmen	------	1	------	Printers	1	------	------
Coal Dealers	1	------	------	R. R. Agents	------	------	1
Conductors	------	1	------	Railroaders	1	------	------
Confectioners	1	------	------	R. R. Employes	1	------	------
Contractors	------	1	------	R. R. Engineers	1	------	------
Dentists	1	------	------	Real Estate Dealers	1	------	------
Dress-makers	1	------	------	Restaurant-keepers	1	------	------
Druggists	1	------	------	Sailors	2	------	------
Engineers	3	6	------	Salesmen	1	------	------
Expressmen	------	1	------	Saloon-keepers	2	2	------
Farmers	158	124	17	Sawyers	2	------	------
Farm Laborers	------	1	------	Shoe-makers	5	2	2
Finishers	1	------	------	Shoe-mounters	------	1	------
Fishermen	3	1	------	Shingle Manufacturers	1	------	------
Foremen of R. R. Yards	1	------	------	Ship-carpenters	1	------	------
Furniture Dealers	------	1	------	Teamsters	5	3	------
Gardeners	------	1	------	Traveling Agents	1	------	------
Grocers	1	------	------	Tug Captains	1	------	------
Harness-makers	------	1	------	Unknown	23	22	5
Hostlers	------	1	------	Vagabonds	1	------	------
Hotel-keepers	1	------	------	Vessel Loaders	1	------	------
Inspectors	1	------	------	Wood-carvers	------	1	------
Insurance Agents	1	------	------	Wood-turners	------	1	------
Laborers	74	36	6	Wood-sawyers	1	------	------
Lawyers	------	1	------	Wood-workers	------	1	------
Lumbermen	1	3	------				

Statistics concerning the nativity of the parents of still-born children may be studied further in Tables XIV. and XV.

TABLE XIV.—*Exhibiting, by Sex, the Parent-Nativity, and by Sex and by Months, the Number of Still-births in Michigan during the Year 1881, according to the Returns.*

SEX.	YEAR, 1881.	MONTHS, 1881.													NATIVITY OF PARENTS OF STILL-BIRTHS, 1881.														
															PARENTS BORN IN MICHIGAN.		NATIVE.			FOREIGN.					MOTHER UNK.		FATHER UNK.		
																									Father.		Mother.		
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Father.	Mother.	Total.	Same State.	Different States.	Total.	Same Country.	Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Total.....	[a] 691	44	55	46	41	54	69	53	64	57	55	58	93	2	171	209	292	169	123	235	194	41	60	37	6	3	10	2	46
Males.....	[b] 378	23	28	31	31	27	34	30	37	29	30	32	44	2	94	118	164	91	73	125	97	28	31	22	5	2	7	1	21
Females..	[c] 270	18	22	15	10	22	32	17	23	25	24	21	41	....	71	82	116	72	44	93	82	11	25	14	....	....	3	1	18
Unknown	[d] 43	3	5	....	....	5	3	6	4	3	1	5	8	....	6	9	12	6	6	17	15	2	4	1	1	1	....	....	7

[a] 4 pairs and 6 half pairs male twins; 4 pairs and 1 half pair female twins; 3 pairs, one of each sex; and 1 set of triplets.
[b] 10 twin children, 2 triplet children, 8 illegitimate, 3 Black, 1 "Colored," and 2 Mulatto.
[c] 1 twin child, 1 triplet child, 5 illegitimate, 2 Black, and 4 Mulatto.
[d] 26 White, and 17 color unknown.

TABLE XV.—*Parent-Nativity of Still-born Children,—Exhibiting, by Sex, the Number and Per Cent. of Total Number Returned as having been Born in Michigan during the Year 1881, of Parents who were Natives of the Same and of Different States or Countries.*

NATIVITY OF PARENTS OF STILL-BORN CHILDREN, 1881.	STILL-BORN CHILDREN, 1881.							
	NUMBER.				PER. CT. OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.			
	Total.	Males.	Females.	Unkno'n.	Total.	Males.	Females.	Unknown.
All Nativities	691	378	270	43	100.00	100.00	100.00	100.00
Same American State or Foreign Country	363	188	154	21	52.53	49.74	57.04	48.84
Different American States or Foreign Countries	164	101	55	8	23.73	26.72	20.37	18.60
Foreign Father and Native Mother	60	31	25	4	8.68	8.20	9.26	9.30
Foreign Mother and Native Father	37	22	14	1	5.36	5.82	5.18	2.32
Unknown Mother, Father Native	6	5	.....	1	.87	1.32	.....	2.33
Unknown Mother, Father Foreign	3	2	.....	1	.43	.53	.....	2.33
Unknown Father, Mother Native	10	7	3	.....	1.45	1.85	1.11	.....
Unknown Father, Mother Foreign	2	1	1	.....	.29	.26	.37	.....
Both unknown	46	21	18	7	6.66	5.56	6.67	16.28
Different States or Countries	261	154	94	13	37.77	40.74	34.81	30.23
Native	292	164	116	12	42.26	43.39	42.96	27.91
Foreign	235	125	93	17	34.01	33.07	34.44	39.53

ILLEGITIMATE CHILDREN, 1881.

The number of illegitimate children returned as having been born in Michigan during the year 1881, is 382. This is smaller by 43 than the number returned for 1880. The average annual number for the ten years 1872–1881, is 283, while the average for the thirteen years 1868–1880, is 233. The year 1880 showed the largest number of previous years, but the year 1881 is not far behind in point of numbers; the increase in the two years being quite important. The average per cent. of illegitimate children to all children born for the period of ten years 1872–1881, is .84, while the per cent. for 1881 is 1.10, or one illegitimate birth to every 90 born in wedlock.

Exhibit 9 contains data concerning the nativity and color of mothers of illegitimates. It is important to remember in this connection that the facts in regard to these births are very incomplete, it being in the nature of things very hard to get them. The largest per cent. of mothers of illegitimates to all mothers appears for the Black, and the smallest for the White. The proportion of the sexes among these children for the year 1881 was about equally divided, there being 99 males to 100 females.

Table XVII. contains some important evidence on this subject. It is seen that the birth-rate of illegitimates to population is largest among the Black and Mulatto, and smallest among the White.

EXHIBIT 8.—*The Relation of the Illegitimate Children to All Children Returned as having been Born during the several Years 1876 to 1881, inclusive, and of Mothers of Illegitimates to All Mothers Returned as having Borne Children in Michigan during each of the Years 1876 to 1881, inclusive.*

CHILDREN AND MOTHERS.	TOTAL BIRTHS AND ILLEGITIMATES.					
	1876.	1877.	1878.	1879.	1880.	1881.
All Children born	34,225	33,395	35,162	34,122	35,323	34,749
Illegitimate Children	266	316	* 202	292	425	382
Per Cent. of Illegitimates to Total	.78	.95	.57	.86	1.20	1.10
All Mothers	33,791	33,028	34,729	33,716	34,953	34,367
Mothers of Illegitimate Children	262	312	* 202	289	423	378
Per Cent. of Mothers of Illegitimates to All Mothers	.78	.94	.58	.86	1.21	1.10

* The number of illegitimates returned for Wayne county for 1878 is probably too small by about 70 births. Heretofore the children born in the "Foundlings' Home," in the ninth ward of Detroit, have generally been returned as illegitimate; but we are unable to get any such statement for 1878, although there is no doubt that those children whose fathers' names are reported "Unknown," (the mothers' names being given), in the said ninth ward, are illegitimate.

EXHIBIT 9.——*By Nativity and Color, the Number and Proportion of Mothers of Illegitimate Children Returned as having been Born in Michigan during the Years 1879 to 1881, inclusive.*

NATIVITY AND COLOR OF MOTHERS.	1879.			1880.			1881.		
	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Moth'rs.	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Moth'rs.	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Moth'rs.
Mothers of all colors and all nativities	289	33,716	.86	423	34,953	1.21	378	34,367	1.10
All Native Mothers	136	19,777	.69	147	20,223	.73	185	20,001	.92
All Foreign Mothers	89	13,338	.67	72	13,961	.52	96	13,608	.71
Mothers of unknown nativities.	64	601	10.65	204	769	26.53	97	758	12.80
White	266	33,325	.80	408	34,497	1.18	365	34,013	1.07
Black	7	132	5.30	4	127	3.15	6	116	5.17
Mulatto	4	95	4.21	3	72	4.17	3	82	3.66
Indian	* 11	122	9.02	7	146	4.79	4	93	4.30
Unknown	1	42	2.38	1	111	.90	.....	63	.....
Black and Mulatto	11	227	4.85	7	199	3.52	9	198	4.55

* 1 female half Indian; 1 male and 2 females White and Indian.

TABLE XVI.—*Exhibiting, by Sex, the Total Number, Number by Months, and the Nativity of Parents of Illegitimate Children Born in Michigan, during the Year ending December 31, 1881, according to the Returns.*

SEX.	YEAR, 1881.	MONTHS, 1881.													NATIVITY OF MOTHERS OF ILLEGITIMATE CHILDREN, 1881.							NATIVITY OF FATHERS OF ILLEGITIMATE CHILDREN, 1881.						
															NATIVE.			FOREIGN.				NATIVE.			FOREIGN.			
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Total.	Born in Michigan.	Born in Other States.	Total.	Born in Canada.	Born in Other Countries.	Unknown.	Total.	Born in Michigan.	Born in Other States.	Total.	Born in Canada.	Born in Other Countries.	Unknown.
Total.....	[a] 382	24	27	30	35	38	34	35	25	34	34	26	40	....	187	117	70	98	52	46	[b] 97	35	26	9	33	16	17	314
Males....	[c] 190	10	18	12	15	22	18	18	15	16	15	15	16	....	88	50	38	54	25	29	48	15	13	2	18	10	8	157
Females.	[d] 191	14	9	18	20	16	16	17	10	18	19	10	24	....	98	66	32	44	27	17	49	20	13	7	15	6	9	156
Unknown	1	....	....	....	....	....	....	....	....	....	....	1	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	1

[a] 8 males and 5 females still-born; 2 pairs male twins, 1 pair female twins, and 1 pair one of each sex.
[b] 1 male "America." [c] 1 Black, 3 "Colored," and 3 Indian. [d] 2 Black, 4 Mulatto, and 1 Indian.

TABLE XVII.—*Exhibiting, by Color and by Sex, the Population June 1, 1880, the Number of Illegitimate Children Returned as having been Born in Michigan during the Year 1881, the Per Cent. of such Chilaren to Inhabitants, the Per Cent. of each Sex to the Total of both Sexes, and the Number of Inhabitants to each Illegitimate Child Reported.*

COLOR OR RACE.	SEX.	Population June 1, 1880, Represented by Births in 1881.	Total Illegitimate Births, 1881.	Per Cent. of Births to Population.	Per Cent. of Each Sex to Total of Both Sexes.	Number of Inhabitants to one Illegitimate Child of the same Color.
All Colors	Total	*1,629,655	382	.02	.....	4,266
	Males	857,968	190	.02	49.87	4,516
	Females	771,687	191	.02	50.13	4,040
	Unknown	.....	1	.....	.....	.....
White	Total	1,607,496	368	.02	.....	4,368
	Males	.....	183	.....	49.86	.....
	Females	.....	184	.....	50.14	.....
	Unknown	.....	1	.....	.....	.....
Black	Total	.....	6	.....	.....	.....
	Males	.....	4	.....	66.67	.....
	Females	.....	2	.....	33.33	.....
Mulatto	Total	.....	4	.....	.....	.....
	Males	.....	.....	.....	.....	.....
	Females	.....	4	.....	100.00	.....
Indian	Total	7,044	4	.06	.....	1,761
	Males	.....	3	.....	75.00	.....
	Females	.....	1	.....	25.00	.....
Unknown	Total	.....	.....	.....	.....	.....
	Males	.....	.....	.....	.....	.....
	Females	.....	.....	.....	.....	.....
Black and Mulatto	Total	15,087	10	.07	.....	1,509
	Males	.....	4	.....	40.00	.....
	Females	.....	6	.....	60.00	.....

* Includes 28 Asiatics.

TABLE XX.—*Exhibiting the Number of Males to 100 Females among Twin Children, and the Number of Illegitimate and Still-born Children, Born during the Year 1881.*

STATE AND COUNTIES.	Twin Children,—Number of Males to 100 Females.	Number of Illegitimate Children born in 1881.	Number of Still-births in 1881.	COUNTIES.	Twin Children,—Number of Males to 100 Females.	Number of Illegitimate Children born in 1881.	Number of Still-births in 1881.
State	107	382	691	Leelanaw	b	2	1
Alcona	a	.....	1	Lenawee	100	3	6
Allegan	117	4	23	Livingston	a	1	10
Alpena	60	2	3	Mackinac	.....	1	.....
Antrim	a	2	3	Macomb	50	2	11
Baraga	.....	1	1	Manistee	56	3	6
Barry	56	5	10	Manitou	a	.....	.....
Bay	140	2	21	Marquette	140	1	26
Benzie	33	1	4	Mason	100	.....	1
Berrien	500	3	8	Mecosta	220	.....	5
Branch	b	5	6	Menominee	50	.....	3
Calhoun	100	3	11	Midland	a	.....	8
Cass	233	5	8	Missaukee	.....	.....	1
Charlevoix	500	1	.....	Monroe	186	1	20
Cheboygan	b	2	5	Montcalm	157	.....	8
Chippewa	.....	1	2	Montmorency	100	.....	1
Clare	100	.....	1	Muskegon	433	4	8
Clinton	.....	.....	5	Newaygo	200	1	1
Delta	100	1	3	Oakland	200	7	14
Eaton	b	4	9	Oceana	100	1	11
Emmet	500	3	1	Ogemaw	b	2	1
Genesee	64	5	11	Ontonagon	.....	.....	1
Gladwin	.....	.....	1	Osceola	33	2	5
Grand Traverse	100	.....	5	Otsego	b	.....	1
Gratiot	67	3	7	Ottawa	75	4	16
Hillsdale	233	2	9	Presque Isle	.....	.....	2
Houghton	100	5	24	Roscommon	.....	.....	1
Huron	167	1	8	Saginaw	88	13	49
Ingham	160	3	6	Sanilac	14	3	12
Ionia	100	.....	12	Shiawassee	500	2	9
Iosco	100	.....	4	St. Clair	129	5	23
Isabella	500	.....	4	St. Joseph	67	10	12
Jackson	69	2	11	Tuscola	140	3	18
Kalamazoo	57	3	10	Van Buren	200	6	11
Kalkaska	a	.....	2	Washtenaw	69	4	13
Kent	100	23	28	Wayne	74	203	91
Keweenaw	500	3	3	Wexford	100	1	2
Lapeer	167	2	13				

a No males. b No females.

TABLE XVIII.—*Exhibiting the Number of Males to 100 Females, and by Sex, the Number and Per Cent. of Total Number of Illegitimate Children Born of Native and of Foreign-born Parents, in Michigan, during the Year 1881, according to the Returns.*

NATIVITY OF PARENTS OF ILLEGITIMATE CHILDREN, 1881.		ILLEGITIMATE CHILDREN, 1881.								
		Number of Males to 100 Females.	NUMBER.				PER CENT. OF TOTAL.			
			Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All Nativities		99.48	382	190	191	1	100.00	100.00	100.00	100.00
Mothers	Native	89.80	187	88	98	1	48.95	46.32	51.31	100.00
	Foreign	122.73	98	54	44	.....	25.65	28.42	23.04	.....
	Unknown	97.96	97	48	49	.....	25.39	25 26	25.65	.....
Fathers	Native	75.00	35	15	20	.....	9.16	7.89	10.47	.....
	Foreign	120.00	33	18	15	.....	8.64	9.47	7.85	.....
	Unknown	100.64	314	157	156	1	82.20	82.63	81 68	100.00

The following exhibit shows the townships in this State in which it was reported that no births occurred in 1881. It also gives the population of these townships and the counties in which they are located. These townships represent a population of 1,895, but it seems hardly probable that no births occurred in the township of Wilcox, Newaygo county, which has a population of 850.

EXHIBIT 10.—*Townships in which it is Reported that there were No Births in 1881.*

COUNTIES.	TOWNSHIPS,—NO BIRTHS IN 1881.	POPULATION IN 1880.		
		Total.	Males.	Females.
Total	.....	1,895	1,351	544
Baraga	Spurr	120	78	42
Benzie	Lake	42	26	16
Lake	Eden	92	49	43
	Lake	90	57	33
	Yates	257	142	115
Newaygo	Wilcox	850	609	241
Roscommon	Denton	210	162	48
	Nester	234	228	6

There were 20 townships and one entire county from which no returns of births were received for the year 1881. Table XXI. gives the names of these townships and their population in 1880. It should not be necessary for us to make a table of this kind, and it would not be if all the supervisors of the State would do their duty and comply with the law.

TABLE XXI.—*Exhibiting the Counties and Townships from which no Returns of Births in 1881 were received, and by Sex and by Color, the Number of Inhabitants June 1, 1880, in such Counties and Townships.*

COUNTIES.	TOWNSHIPS FROM WHICH NO RETURNS OF BIRTHS WERE RECEIVED FOR 1881.	POPULATION JUNE 1, 1881.			WHITE.			BLACK AND MULATTO.			INDIAN.			NATIVE.			FOREIGN.		
		Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.
Totals		7,282	4,387	2,895	7,064	3,178	2,151	13	2	....	205	14	12	4,948	2,208	1,694	2,334	986	469
Charlevoix	Evangeline	365	197	168	360	193	167	....	....	....	5	4	1	287	146	141	78	51	27
	Eveline	554	309	245	554	309	245	....	....	....	....	....	....	385	202	183	169	107	62
	Melrose	79	37	42	79	37	42	....	....	....	....	....	....	52	24	28	27	13	14
Chippewa	Detour	471	285	186	366	.....	.....	11	....	....	94	....	....	250	.....	.....	221	....	....
Gladwin	Grout	516	332	184	516	332	184	....	....	....	....	....	....	300	179	121	216	153	63
Isle Royal	All Townships	55	31	24	55	31	24	....	....	....	....	....	....	34	18	16	21	13	8
Mackinac	Hendricks	434	294	140	409	.....	.....	....	....	....	25	....	....	317	.....	.....	117	....	....
Marquette	Crystal Falls[a]	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	.....	.....	.....	.....	....	....
	Iron River[a]	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	.....	.....	.....	.....	....	....
	Richmond	750	440	310	750	.....	.....	....	....	....	....	....	....	332	.....	.....	418	....	....
Mason	Lincoln	140	84	56	140	84	56	....	....	....	....	....	....	87	50	37	53	34	19
Montcalm	Home	1,982	1,276	706	1,981	1,275	706	1	1	....	....	....	....	1,567	946	621	415	330	85
Newaygo	Grant	512	307	205	511	306	205	1	1	....	....	....	....	407	231	176	105	76	29
Ogemaw	Damon[a]	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	.....	.....	.....	.....	....	....
	West Branch[a]	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	.....	.....	.....	.....	....	....
Ontonagon	Carp Lake	73	48	25	66	44	22	....	....	....	7	4	3	36	18	18	37	30	7
	Rockland	887	450	437	873	444	429	....	....	....	14	6	8	622	325	297	265	125	140
Schoolcraft	Munising	270	174	96	210	.....	.....	....	....	....	60	....	....	147	.....	.....	123	....	....
	Thompson[a]	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	.....	.....	.....	.....	....	....
Wexford	Henderson	194	123	71	194	123	71	....	....	....	....	....	....	125	69	56	69	54	15
	South Branch[a]	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	.....	.....	.....	.....	....	....

[a] Organized since census was taken.

SEX OF CHILDREN.

The statistics of births in 1881, in Michigan, are in harmony with those of previous years concerning the proportional number of the two sexes, the excess of male births, and the influences of season of year, parent-nativity, etc., upon the sex of offspring. The tables and exhibits which follow contain much that is interesting and important in regard to this subject. Attention may be called to Exhibits N, O, and P, which give, respectively, the number of births by months, as they are returned, as equalized to months of equal length, and as corrected for omissions in the enumeration.

TABLE XXII.—*Exhibiting, by Months, the Relation between the Total Number of Conceptions during certain Months of the Years 1880–81, and the Proportion of each Sex Conceived during the same time and Born during the Year ending December 31, 1881, according to the Returns.*

Conceptions for Births in 1881.[a]					
Months of 1880 and 1881 of Conceptions of Births in 1881, in order by number, the least first.		Total Number of Conceptions.[b]	[a]Months of 1880 and 1881, in order by number of Males to 100 Females, greatest first.		Number of Males to 100 Females.
Less than the Average Number of Conceptions.	April	2,347	More than the Av. Proportion of Males.	July	116
	May	2,637		April	112
	September	2,748		January, 1881[c]	112
	June	2,781		September	109
	August	2,830		October[c]	109
	July	2,845	Average		107
	February, 1881	2,888	Less than the Average Proportion of Males.	May[c]	106
Average		2,889		June[c]	106
More than the Av. Number of Conceptions.	October	2,960		March, 1881	106
	January, 1881	3,020		August[c]	104
	March, 1881	3,113		November	104
	December	3,246		December	104
	November	3,249		February, 1881[c]	102

[a] Equalized to months of 30.44 days each, and excluding unknown sex and unknown month.
[b] For purposes of this study the time of conception is presumed to be nine calendar months previous to the month of birth.
[c] Exceptions to the proposition that *more* than the average proportion of males were conceived in months in which *less* than the average total number of conceptions occurred, and *vice versa*.

TABLE XXIII.—*Exhibiting, by Months, the Relation between the Number of Conceptions and the Number of Males to 100 Females. Conceptions estimated from Births Corrected as if Enumerated in Months of Occurrence and Equalized to Months of uniform length.*

Conceptions for Births, 1881.[a]					
	Months of 1880 and 1881 of Conceptions of Births in 1881, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number, the least first.	Number of Conceptions as Corrected and Equalized.[b]		Months of 1880 and 1881 of Conceptions of Births in 1881, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number of Males to 100 Females, greatest first.	Number of Males to 100 Females. Births Corrected and Equalized.
Less than the Average No. of Conceptions.	February, 1881	3,617	More than the Average Proportion of Males.	July[c]	120
	March, 1881	3,767		April	116
	January, 1881	3,910		January, 1881	114
	April	3,930		September	112
	September	4,021		October[c]	112
Average		4,138	Average		110.5
More than the Average No. of Conceptions.	October	4,214	Less than the Average Proportion of Males.	May	110
	August	4,259		June	110
	May	4,300		March, 1881[c]	108
	December	4,338		August	107
	July	4,406		December	107
	June	4,419		November	106
	November	4,478		February, 1881[c]	104

[a] See foot-note [b] to Table XXII., page 64.
[b] Excluding unknown month and unknown sex.
[c] Exceptions to the proposition that *more* than the average proportion of males were conceived in months in which *less* than the average number of conceptions occurred, and *less* than the average proportion of males in months in which *more* than the average number of conceptions occurred.

TABLE XXIV.—*Exhibiting by Months, according to the Returns, the Relation between the Total Number of Conceptions, and the Total Number of Deaths which occurred in the Months of the Years 1880 and 1881 in which were Conceived the Children Born during the Year ending December 31, 1881.*

Deaths.			Conceptions.[b]		
	Months[a] of 1880 and 1881 of Conceptions of Births in 1881, arranged in order by Total Number of Deaths, the least first.	Number of Deaths, as Equalized.		Months[a] of 1880 and 1881 of Conceptions of Births in 1881, in order by number, the least first.	Number of Conceptions, as Equalized.[a]
Less than the Av. No. of Deaths.	January, 1881	1,046	Less than the Average Number of Conceptions.	April[c]	2,350
	June	1,051		May[c]	2,644
	May	1,145		September	2,752
	February, 1881	1,171		June[c]	2,784
	March, 1881	1,292		August	2,835
	April	1,308		July	2,846
Average		1,375	Average		2,894
More than the Av. No. of Deaths.	October	1,445	More than the Av. No. of Conceptions.	February, 1881	2,896
	July	1,500		October[c]	2,973
	November	1,508		January, 1881	3,023
	December	1,588		March, 1881	3,122
	September	1,701		December[c]	3,251
	August	1,748		November[c]	3,254

[a] Equalized to months of 30.44 days each, excluding unknown month.
[b] See foot-note [b] to table XXII., page 64.
[c] Exceptions to the proposition that there were *more* than an average number of conceptions in months in which *less* than an average number of deaths occurred, and *less* than an average number in months in which *more* than an average number of deaths occurred.

TABLE XXV.—*Exhibiting the Relation, by Months, between the Number of Conceptions and the Number of Deaths, the Number of Deaths and the Number of Births Returned from which Conceptions are estimated, being Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of uniform length.*

Deaths.			Conceptions.[a]		
	Months of 1880 and 1881 of Conceptions of Births in 1881, arranged in order by number of Deaths, the least first. Deaths Corrected as if enumerated in months of occurrence, and equalized to months of uniform length.	Number of Deaths, as Corrected and Equalized.		Months of 1880 and 1881 of Conceptions of Births in 1881, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number, the least first.	Number of Conceptions, as Corrected and Equalized.[b]
Less than the Average Number of Deaths.	January, 1881	1,766	Less than the Av. No. of Conceptions.	February, 1881 [c]	3,631
	June	1,790		March, 1881 [c]	3,782
	February, 1881	1,929		January, 1881 [c]	3,918
	May	2,023		April	3,941
	March, 1881	2,069		September	4,032
	November	2,085			
	October	2,090	Average		4,151
	December	2,094	More than the Average Number of Conceptions.	October	4,230
Average		2,168		August [c]	4,274
More than the Av. No. of Deaths.	April	2,394		May	4,321
	July	2,457		December	4,352
	September	2,569		July [c]	4,412
	August	2,752		June	4,432
				November	4,492

[a] See foot-note [b] to Table XXII., page 64.
[b] Excluding unknown month.
[c] Exceptions to the proposition that there were *more* than an average number of conceptions in months in which *less* than an average number of deaths occurred, and *less* than an average number of conceptions in months in which *more* than an average number of deaths occurred.

TABLE XXVI.—*Exhibiting by Months, the Relation between the Number of Deaths and the Proportion of each Sex Conceived during the same Months of the Years 1880 and 1881; the Number of Deaths and the Number of Births Returned from which Conceptions are estimated being Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of uniform length.*

Deaths.			Conceptions.[a]		
	Months of 1880 and 1881 of Conceptions of Births in 1881, arranged in order by number of Deaths, least first. Deaths Corrected as if enumerated in months of occurrence, and equalized to months of uniform length.	Number of Deaths, as Corrected and Equalized.		Months of 1880 and 1881 of Conceptions of Births in 1881, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number of Males to 100 Females, greatest first.	Number of Males to 100 Females. Births Corrected and Equalized.[b]
Less than the Average Number of Deaths.	January, 1881	1,766	More than the Average Proportion of Males.	July	120
	June	1,790		April	116
	February, 1881	1,929		January, 1881 [c]	114
	May	2,023		September	112
	March, 1881	2,069		October [c]	112
	November	2,085	Average		110.5
	October	2,090	Less than the Average Proportion of Males.	May	110
	December	2,094		June	110
Average		2,163		March, 1881	108
More than the Av. No. of Deaths.	April	2,394		August [c]	107
	July	2,457		December	107
	September	2,569		November	106
	August	2,752		February, 1881	104

[a] See foot-note [b] to Table XXII., page 64.
[b] Excluding births in unknown month and of unknown sex.
[c] Exceptions to the proposition that *more* than an average proportion of males were conceived in months in which *less* than an average number of deaths occurred, and *less* than an average proportion of males in months in which *more* than an average number of deaths occurred.

TABLE XXVII.—*Exhibiting by Months, according to the Returns, the Relation between the Total Number of Deaths and the Proportion of each Sex Conceived during the same Months of the Years 1880 and 1881, and Born during the Year ending December 31, 1881.*

Deaths.			Conceptions.[b]		
	Months of 1880 and 1881 of Conceptions of Births in 1881, arranged in order by Number of Deaths, the least first.	Number of Deaths, as Equalized.		Months[a] of 1880 and 1881, in order by number of Males to 100 Females, greatest first.	Number of Males to 100 Females.
Less than the Av. No. of Deaths.	January, 1881	1,046	More than the Av. Proportion of Males.	July	116
	June	1,051		April[c]	112
	May	1,145		January, 1881[c]	112
	February, 1881	1,171		September	109
	March, 1881	1,292		October	109
	April	1,308		Average	107
Average		1,375	Less than the Av. Proportion of Males.	May	106
More than the Average Number of Deaths.	October	1,445		June	106
	July	1,500		March, 1881	106
	November	1,508		August[c]	104
	December	1,583		November[c]	104
	September	1,701		December[c]	104
	August	1,748		February, 1881	102

[a] Equalized to months of 30.44 days each, excluding unknown sex and unknown month.
[b] See foot-note [b] to Table XXII., page 64.
[c] Exceptions to the proposition that *more* than an average proportion of males were conceived in months in which *less* than an average number of deaths occurred, and *less* than an average proportion of males in months in which *more* than an average number of deaths occurred.

EXHIBIT N.—*Births Returned as having occurred in Michigan during the Year 1881, by Sex, and by Months Equalized to 30.44 days each.*

SEX.	YEAR, 1881.	MONTHS OF BIRTHS, EQUALIZED, 1881.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Total.....	a 34,760	2,850	2,644	2,784	2,846	2,835	2,752	2,973	3,254	3,251	3,023	2,896	3,122	30
Males.....	17,946	1,239	1,355	1,430	1,525	1,442	1,433	1,545	1,653	1,655	1,595	1,457	1,601	16
Females...	16,753	1,108	1,282	1,351	1,320	1,388	1,315	1,421	1,596	1,591	1,425	1,431	1,512	13
Unknown.	61	3	7	3	1	5	4	7	5	5	3	8	9	1

a Five males and 6 females gained in equalizing, making the number shown in this Exhibit eleven more than the number returned.

EXHIBIT O.—*Births Returned as having occurred in Michigan during the Year 1881, by Sex, and by Months Equalized to 30.44 days each, and by Months, the Excess of Males over Females, and the Number of Males to 100 Females. Unknown Sex and unknown month excluded.*

SEX.	YEAR, 1881.	MONTHS OF BIRTHS, EQUALIZED, 1881.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Both Sexes.....	a 34,670	2,347	2,637	2,781	2,845	2,830	2,748	2,966	3,249	3,246	3,020	2,888	3,113
Males.....	17,930	1,239	1,355	1,430	1,525	1,442	1,433	1,545	1,653	1,655	1,595	1,457	1,601
Females.....	16,740	1,108	1,282	1,351	1,320	1,388	1,315	1,421	1,596	1,591	1,425	1,431	1,512
Excess of Males	1,190	131	73	79	205	54	118	124	57	64	170	26	89
Males to 100 Females.....	107	112	106	106	116	104	109	109	104	104	112	102	106

a The number of births of each sex, and the total number of both sexes, as equalized, do not equal the number of births as returned, because of the loss of fractions, and the unequal numbers in the several months, modified by addition and subtraction. This table excludes births in unknown month and of unknown sex,—90. These (minus the 11 gained in equalizing), added to the number shown in this table, make the number as returned by registration officers (34,749).

EXHIBIT P.—*Births Returned as having occurred in Michigan during the Year 1881, by Sex and by Months, Corrected for Omissions in Enumerating, Equalized for Increase of Population during the Year covered by the Returns, and as thus corrected and Equalized for the several Months, Equalized for Months of 30.44 days each.*

SEX.	YEAR, 1881.	MONTHS OF BIRTH, 1881.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Both Sexes...	50,816	4,095	4,467	4,575	4,545	4,379	4,121	4,304	4,556	4,400	3,952	3,642	3,780
Males.....	26,677	2,203	2,337	2,394	2,476	2,268	2,181	2,273	2,349	2,271	2,109	1,856	1,960
Females.....	24,139	1,892	2,130	2,181	2,069	2,111	1,940	2,031	2,207	2,129	1,843	1,786	1,820

TABLE XXVIII.—*Exhibiting for the Total Births, for the Twins, Illegitimate, and Still-born Children Returned as having been Born in Michigan during the Year 1881; the Number of Boys to 100 Girls among such Children, distinguishing by Parent-Nativities, thus exhibiting the Influence of Parent-Nativity and of other Conditions upon the Sex of Children.*

NATIVITY OF PARENTS.		Births, 1881.[a]		Boys to 100 Girls.			
		Males.	Females.	Total Births.	Twin Children.	Illegitimates.	Still-births.
All Nativities		17,941	16,747	107.13	106.67	99.48	140.00
Both Parents Native		8,183	7,706	106.19	104.73	.....	141.38
Both Parents Foreign		5,941	5,599	106.11	96.50	.....	134.41
Foreign Father and Native Mother		2,136	1,937	110.27	115.38	.....	124.00
Foreign Mother and Native Father		1,116	958	116.49	185.71	.....	157.14
One or Both Unknown		565	547	103.29	100.00	.....	163.64
Mothers	Native	10,433	9,768	106.81	105.66	89.80	140.28
	Foreign	7,133	6,611	107.90	106.76	122.73	137.04
	Unknown	375	368	101.90	.....	97.96	155.56
Fathers	Native	9,394	8,755	107.30	112.02	75.00	146.92
	Foreign	8,150	7,627	106.86	102.33	120.00	133.90
	Unknown	397	365	108.77	60.00	164.00	131.82
One or Both Native		11,644	10,817	107.65	111.50	.....	144.94
One or Both Foreign		9,342	8,639	108.14	108.56	.....	136.09
Both Unknown		207	136	111.29	.....	.....	116.67
Same Country		14,124	13,305	106.16	104.48	.....	131.82
Different Countries		3,252	2,895	112.33	113.79	.....	162.00
Same American State or Foreign Country		.....	.....	.....	112.02	.....	122.08
Different American States or Foreign Countries		.....	.....	.....	86.55	.....	183.64

[a] Excluding unknown sex.

MARRIAGES, 1881.

The whole number of marriages whose returns were received at the State Department in 1881 was 14,847. In 1880 the number was 14,660. The marriage-rate in 1880, the number of marriages to every thousand of the population, was 8.62, or one marriage to every 116 persons in the State. The estimated population of the State for the year 1881 is 1,690,809; now leaving out the population of Isle Royal county, from which no returns of marriages were received for 1881, we have 1,690,752 as the estimated inhabitants of the State represented by the returns of marriages. In 1881, therefore, there was one marriage to every 114 persons in the State, and the number of marriages to every thousand of the population was 8.77. It is not probable that the returns of marriages for 1881 are complete; but the error in this respect is hardly greater in this year than in the previous years. Judging from the past, the returns for subsequent years will doubtless increase the number solemnized in 1881 by more than a thousand marriages.

The total number of marriages, and the average number for each of certain specified periods of time are as follows:

Total number of marriages	14,847.00
Average number per quarter	3,711.75
Average number per month	1,237.25
Average number per week	285.52
Average number per day	40.68

As usual, the largest number of marriages occurred in the latter half of the year 1881; the largest number in any one quarter being 4,471 in the fourth quarter; the smallest quarterly total being 3,368 in the second quarter. The marriages in Table I. are corrected for additional returns up to May 11, 1883, that being the time of making the compilation for 1881.

TABLE I.—*Marriages by Quarters of the Year, showing the Number and Per Cent. in each Quarter of the Year for each of the Years 1876 to 1881, inclusive, Corrected for Additional Returns, up to May 11, 1883.*

Totals, and Months with which Quarters End.	1876.		1877.		1878.		1879.		1880.		1881.	
	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
Totals	11,893	100.00	11,844	100.00	12,829	100.00	13,816	100.00	14,660	100.00	14,847	100.00
March	2,711	22.80	2,708	22.86	2,989	23.30	3,093	22.39	3,300	22.51	3,376	22.74
June	2,639	22.19	2,547	21.50	2,685	20.93	2,878	20.83	3,199	21.82	3,368	22.69
September	2,863	24.07	2,829	23.89	3,022	23.55	3,255	23.56	3,561	24.29	3,630	24.45
December	3,674	30.89	3,748	31.65	4,123	32.14	4,586	33.19	4,597	31.36	4,471	30.11
Unknown	6	.05	12	.10	10	.08	4	.03	3	.02	2	.01
Average *	2,973	25.00	2,961	25.00	3,207	25.00	3,454	25.00	3,665	25.00	3,712	25.00

* Including marriages in unknown quarter of the year.

Exhibit A differs from Table I., as it shows the number of marriages as originally returned, compiled, and published for each of the years 1876–1881, the additional returns not being added as in Table I. A comparison of the exhibit with the table will show how frequently the law is violated in this State.

EXHIBIT A.—*Marriages by Quarters of the Year, showing number and Per Cent. in each Quarter of the Year, for each of the Years 1876 to 1881, inclusive, as Originally Returned and published in Reports.*

Totals, and Months with which Quarters End.	1876.		1877.		1878.		1879.		1880.		1881.	
	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
Totals	10,858	100.00	11,009	100.00	12,221	100.00	13,225	100.00	14,149	100.00	14,847	100.00
March	2,599	23.94	2,633	23.92	2,901	23.74	3,039	22.98	3,261	23.05	3,376	22.74
June	2,474	22.79	2,422	22.00	2,606	21.32	2,806	21.22	3,151	22.27	3,368	22.69
September	2,677	24.65	2,646	24.03	2,906	23.78	3,133	23.69	3,472	24.54	3,630	24.45
December	3,105	28.60	3,298	29.96	3,798	31.08	4,243	32.08	4,262	30.12	4,471	30.11
Unknown	3	.03	10	.09	10	.08	4	.03	3	.02	2	.01
Average *	2,715	25.00	2,752	25.00	3,055	25.00	3,306	25.00	3,537	25.00	3,712	25.00

* The number in unknown quarter of year included.

Table II. shows, by months, the number and per cent. of marriages returned as having been solemnized in this State during the years 1878–1881. The months are arranged in order, those having the greatest number are placed first. In 1881 the largest number in any one month was 1,557 in October; the smallest, 1,042, in August. The smallest monthly total is usually found in the months of June or August.

TABLE II.—*Marriages by Months, Arranged in Order by Number, Months having the greatest number first, for the Years 1878 to 1881, inclusive, Corrected, for additional returns, up to May 11, 1883.*

Order.	1878.			1879.			1880.			1881.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total....	12,829	100.00	Total ...	13,816	100.00	Total....	14,660	100.00	Total.....	14,847	100.00
1	Oct.....	1,401	10.92	Oct.....	1,571	11.37	Nov.....	1,589	10.84	Oct.....	1,557	10.49
2	Dec.....	1,393	10.86	Nov.....	1,538	11.13	Dec.....	1,549	10.57	Nov.....	1,496	10.08
3	Nov.....	1,329	10.36	Dec.....	1,477	10.69	Oct.....	1,459	9.95	Dec.....	1,418	9.55
4	Sept.....	1,185	9.24	Sept.....	1,267	9.17	Sept.....	1,373	9.37	Sept.....	1,341	9.03
5	Jan.....	1,089	8.49	Jan.....	1,077	7.80	Jan.....	1,167	7.96	July.....	1,247	8.40
6	Mar.....	1,019	7.94	July.....	1,066	7.72	April....	1,142	7.79	Jan.....	1,162	7.83
7	May.....	961	7.49	Mar.....	1,029	7.45	July.....	1,132	7.72	May.....	1,162	7.83
8	April....	947	7.38	May.....	1,016	7.35	Mar.....	1,084	7.39	Mar.....	1,155	7.78
9	July.....	940	7.33	Feb.....	987	7.14	Aug.....	1,056	7.20	April.....	1,117	7.52
10	Aug.	897	6.99	Apr.....	983	7.12	Feb.....	1,049	7.16	June.....	1,089	7.33
11	Feb.....	881	6.87	Aug.....	922	6.67	May.....	1,039	7.09	Feb.....	1,059	7.13
12	June....	777	6.05	June....	879	6.36	June....	1,018	6.94	Aug.	1,042	7.02
	Unk.	10	.08	Unk.	4	.03	Unk.	3	.02	Unk.....	2	.01
	Aver'ge[a]	1,069	8.33	Aver'ge[a]	1,151	8.33	Aver'ge[a]	1,222	8.33	Aver'ge[a]	1,237	8.33

[a] Includes those for unknown month.

In Exhibit B the number of marriages, as returned for each of the years 1877–1881, are corrected for additional returns up to May 11, 1883, and then equalized to months of uniform length. By comparing the first line of the exhibit with the fourth line for each of the years, the changes can be seen which are made by equalizing the months to uniform length. Exhibit B also shows the relations, which the number of marriages in the different months of the years, bear to each other, and also the months most preferred for matrimony by Michigan people.

EXHIBIT B.—*Marriages Returned as having been Solemnized in Michigan during the Years 1877 to 1881, inclusive, Corrected, for additional returns, up to May 11, 1883, and Equalized to Months of 30.44 days each.*

	Year.	Total.	Months.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Marriages as returned	1877	11,844	975	851	882	942	865	740	940	785	1,104	1,243	1,227	1,278	12
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length.		+7	-18	+74	-16	+14	-16	+11	-17	-14	+16	-22	+18	-23	.....
Marriages, equalized to months of uniform length		11,851	957	925	866	956	849	751	923	771	1,120	1,221	1,245	1,255	12
Marriages as returned	1878	12,829	1,069	881	1,019	947	961	777	940	897	1,185	1,401	1,329	1,393	10
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length.		.....	-20	+77	-18	+14	-17	+11	-17	-16	+17	-25	+19	-25	.....
Marriages, equalized to months of uniform length		12,829	1,069	958	1,001	961	944	788	923	881	1,202	1,376	1,348	1,368	10
Marriages as returned	1879	13,816	1,077	987	1,029	983	1,016	879	1,066	922	1,267	1,571	1,538	1,477	4
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length.		+8	-19	+86	-19	+14	-18	+13	-19	-17	+19	-28	+23	-27	.....
Marriages, equalized to months of uniform length		13,824	1,058	1,073	1,010	997	998	892	1,047	905	1,286	1,543	1,561	1,450	4
Marriages as returned	1880	14,660	1,167	1,049	1,084	1,142	1,039	1,018	1,132	1,056	1,373	1,459	1,589	1,549	3
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+1.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length.		-26	-21	+52	-20	+17	-19	+15	-20	-19	+20	-26	+23	-28	.....
Marriages, equalized to months of uniform length		14,634	1,146	1,101	1,064	1,159	1,020	1,033	1,112	1,037	1,393	1,433	1,612	1,521	3
Marriages as returned	1881	14,847	1,162	1,059	1,155	1,117	1,162	1,089	1,217	1,042	1,341	1,557	1,496	1,418	2
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length.		+7	-21	+92	-21	+16	-21	+16	-23	-19	+20	-28	+22	-26	.....
Marriages, equalized to months of uniform length		14,854	1,141	1,151	1,134	1,133	1,141	1,105	1,224	1,023	1,361	1,529	1,518	1,392	2

TABLE III.—*Distinguishing, by Counties and by Months, the number of Marriages returned as having been solemnized in Michigan during the Year ending December 31, 1881.*

STATE AND COUNTIES.	Year, 1881.	MONTHS, 1881.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk
STATE	14,847	1,162	1,059	1,155	1,117	1,162	1,089	1,247	1,042	1,341	1,557	1,496	1,418	2
Alcona	14	1	1	.....	1	2	2	.....	.....	.....	2	1	4	....
Allegan	372	18	25	44	35	30	21	30	26	37	25	37	44	....
Alpena	100	.....	1	3	5	7	11	13	10	18	9	13	10	....
Antrim	36	2	2	4	3	4	1	5	2	1	3	6	3	....
Baraga	16	.....	2	.....	1	.....	3	1	2	4	.....	2	1	....
Barry	199	15	15	15	18	12	11	13	19	13	23	13	32	....
Bay	302	17	24	14	16	26	26	38	25	25	28	32	31	....
Benzie	43	.....	2	1	3	6	5	2	.....	5	8	5	6	....
Berrien	562	41	33	37	45	37	37	53	39	49	66	54	72	....
Branch	251	35	14	19	23	18	20	26	17	24	36	13	6	....
Calhoun	329	24	28	32	23	26	20	14	14	29	36	41	41	1
Cass	251	15	17	18	16	22	15	21	20	23	29	21	34	....
Charlevoix	54	3	2	4	4	5	1	.....	3	4	10	6	12	....
Cheboygan	73	5	9	3	1	8	8	5	8	8	4	10	4	....
Chippewa	52	1	5	2	3	5	5	9	2	10	1	6	3	....
Clare	42	1	5	3	4	.....	3	4	3	2	3	6	8	....
Clinton	236	13	18	12	18	23	12	23	12	21	39	22	23	....
Crawford	11	2	.....	1	1	.....	.....	2	1	2	2	.....	.....	....
Delta	72	10	4	2	7	4	5	9	5	10	5	8	3	....
Eaton	240	20	19	20	16	8	18	18	16	30	25	23	27	....
Emmet	64	3	1	7	3	5	8	8	4	5	7	9	4	....
Genesee	329	23	28	30	20	22	21	28	17	32	30	39	39	....
Gladwin	4	1	.....	1	.....	.....	.....	2	.....	.....	.....	.....	.....	....
Gr. Traverse	59	5	3	4	8	11	5	8	2	6	4	2	1	....
Gratiot	197	15	6	10	14	18	21	20	17	19	22	14	21	....
Hillsdale	346	38	18	38	19	21	22	19	25	31	51	28	35	1
Houghton	196	14	17	8	9	17	17	16	24	15	21	27	11	....
Huron	134	17	8	9	8	11	11	11	9	9	9	21	11	....
Ingham	294	27	25	28	20	16	12	21	24	26	32	33	30	....
Ionia	298	20	20	23	30	19	21	30	27	28	34	25	21	....
Iosco	110	12	5	4	10	9	8	13	13	2	11	10	13	....
Isabella	99	7	4	6	9	6	6	10	8	10	12	13	8	....
Isle Royal	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....
Jackson	421	34	31	28	37	18	32	25	22	43	51	45	55	....
Kalamazoo	276	28	22	25	20	23	19	27	25	25	33	20	9	....
Kalkaska	31	4	2	1	6	3	2	3	.....	5	3	1	1	....
Kent	646	53	50	43	58	57	50	50	35	68	83	69	30	....
Keweenaw	31	1	2	1	1	5	4	2	2	3	3	5	2	....
Lake	21	3	1	.....	4	1	2	1	2	.....	2	2	3	....
Lapeer	249	27	22	25	21	19	15	25	22	18	22	23	10	....
Leelanaw	46	2	1	7	2	6	2	2	2	6	4	5	7	....
Lenawee	509	49	44	52	37	28	35	32	37	53	35	51	56	....
Livingston	166	15	14	24	10	10	8	10	6	19	10	17	23	....
Mackinac	38	2	1	2	3	2	6	8	1	3	1	5	4	....

TABLE III.—CONTINUED.—*Marriages by Counties, by Months.*

COUNTIES.	Year, 1881.	Months, 1881.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk
Macomb	241	16	20	23	17	30	13	13	8	22	22	28	19	----
Manistee	113	3	6	7	13	8	12	7	5	18	11	22	1	----
Manitou	6	------	------	------	------	1	3	------	------	------	------	2	------	----
Marquette	205	14	11	14	19	23	13	31	16	15	19	19	11	----
Mason	101	5	8	8	8	8	11	7	6	6	10	10	14	----
Mecosta	143	16	10	9	13	9	10	17	17	6	15	4	17	----
Menominee	158	5	7	7	9	13	12	18	18	9	24	23	18	----
Midland	59	1	4	7	4	6	4	1	8	3	5	4	12	----
Missaukee	8	------	------	1	------	------	1	------	1	2	2	------	1	----
Monroe	345	28	37	21	35	33	19	27	20	28	28	37	34	----
Montcalm	236	17	20	15	20	20	14	22	12	18	24	27	27	----
Montmorency	1	------	------	------	------	------	1	------	------	------	------	------	------	----
Muskegon	324	15	22	21	30	27	28	34	37	21	24	25	40	----
Newaygo	112	6	8	8	4	11	10	13	11	12	6	13	10	----
Oakland	307	26	19	46	13	25	15	17	22	22	28	35	39	----
Oceana	97	6	11	4	8	7	5	9	4	14	8	4	17	----
Ogemaw	14	------	4	------	1	1	------	------	2	------	3	2	1	----
Ontonagon	15	------	------	2	------	2	3	1	1	1	3	1	1	----
Oscoola	125	9	7	9	8	9	8	18	8	12	16	11	10	----
Oscoda	3	------	------	------	1	------	------	2	------	------	------	------	------	----
Otsego	20	------	1	------	------	3	1	3	------	1	4	2	5	----
Ottawa	317	33	13	31	30	29	27	25	22	23	31	23	30	----
Presque I'l.	33	4	5	------	------	1	2	2	1	4	3	9	2	----
Roscommon	13	------	2	1	------	------	1	------	3	3	1	------	2	----
Saginaw	570	44	28	40	45	54	51	70	31	55	59	55	38	----
Sanilac	125	8	7	17	13	6	7	6	13	14	10	14	10	----
Schoolcraft	6	------	2	------	------	1	------	------	------	1	1	1	------	----
Shiawassee	206	21	15	21	12	16	12	14	13	14	21	23	24	----
St. Clair	369	25	25	19	25	28	36	26	31	44	45	29	36	----
St. Joseph	364	24	22	40	30	28	27	23	21	33	37	29	47	----
Tuscola	199	21	12	12	18	18	12	15	5	27	21	21	17	----
Van Buren	249	25	19	25	14	21	16	21	19	21	28	18	22	----
Washtenaw	322	23	31	38	24	17	26	25	14	23	30	41	30	----
Wayne	1,555	137	118	91	104	135	135	121	121	120	173	174	126	----
Wexford	67	9	4	8	7	2	3	2	2	8	11	7	4	----

COLOR OF PERSONS MARRIED.

Tables IV. and V. contain some important data in regard to the number of marriages among the different races in Michigan. It will be seen that over 98 per cent. of all persons returned as having been married in Michigan in 1881 were white persons. The greatest marriage-rate is also among the Whites and the smallest among the Indians.

Table V. shows the facts concerning the color of persons married in 1881 in each of the counties of the State.

TABLE IV.—*Exhibiting, by Color and by Sex, the Number of Marriages, and the Number and Per Cent. of Total Number of Persons Married in Michigan during the Year 1881, according to the Returns; and the Per Cent. of Persons Married in 1881 to Population in 1880.*

COLOR,—1881.	SEX.	Population June 1, 1880, Represented by Marriages in 1881.	Number of Marriages, 1881.	PERSONS MARRIED, 1881.		Per Cent. of Persons Married in 1881 to Population June 1, 1880, by Sex and Color.	Number of Persons who Married those of another Color.
				Number.	Per Cent. of Total.		
All Colors	Total	1,636,882	14,847	29,694	100.00	1.81	48
	Males	a 862,324	.....	14,847	50.00	1.72	24
	Females	774,558	.....	14,847	50.00	1.92	24
White	Total	1,614,505	14,649	29,302	98.68	1.81	17
	Males	850,765	.....	14,656	98.71	1.72	11
	Females	763,740	.....	14,646	98.65	1.92	6
Black	Total	.....	91	176	.59	.....	8
	Males	.....	.....	91	.61	.....	7
	Females	.....	.....	85	.57	.....	1
Mulatto	Total	.....	42	88	.30	.....	8
	Males	.....	.....	42	.28	.....	2
	Females	.....	.....	46	.31	.....	6
Indian	Total	7,249	35	77	.26	1.06	15
	Males	3,696	.....	35	.24	.95	4
	Females	3,553	.....	42	.28	1.18	11
One or Both Unknown	Total	.....	30	51	.17	.....	.....
	Males	.....	.....	23	.16	.....	.....
	Females	.....	.....	28	.19	.....	.....
Black and Mulatto	Total	15,100	133	264	.89	1.75	16
	Males	7,835	.....	133	.90	1.69	9
	Females	7,265	.....	131	.88	1.80	7

a Includes 28 Asiatics.

TABLE V.—*Exhibiting for the State and Counties, the Number of Marriages Returned as having been Solemnized in Michigan during the Year 1881, the Number of Couples of White Persons, and by Color the Number of Marriages where one or both parties were other than White.*

STATE AND COUNTIES.	Marriages, 1881.	Color of Persons Married, 1881, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk. / Male White.	Male Unk. / Female White.	Both Unknown.
State	14,847	[a] 14,649	[b] 91	[c] 42	[d] 35	7	2	21
Alcona	14	14						
Allegan	372	369	[e] 3					
Alpena	100	100						
Antrim	36	35			1			
Baraga	16	[f] 13			3			
Barry	199	198				1		
Bay	302	298	1		3			
Benzie	43	42		1				
Berrien	562	553	[g] 4	3				2
Branch	251	250						1
Calhoun	329	324	[h] 2	1			1	1
Cass	251	236	[i] 3	11	[j] 1			
Charlevoix	54	54						
Cheboygan	73	[k] 72			[l] 1			
Chippewa	52	[k] 52						
Clare	42	42						
Clinton	236	236						
Crawford	11	11						
Delta	72	71			1			
Eaton	240	240						
Emmet	64	[m] 58			[n] 6			
Genesee	329	327	2					
Gladwin	4	4						
Grand Traverse	59	59						

[a] Includes 1 female ¼ Indian, 6 females White and Indian, 4 females Indian, and 1 male Spanish.
[b] Includes 7 couples "African," 12 couples "Colored," 5 females Mulatto, 1 female "Octoroon," and 1 female White.
[c] Includes 1 couple, male "Light," female "Brunette," 1 female Black, 1 female White, 1 couple, male ¼ White, female ¾ Black, and 1 couple, male ½ Black, female ½ White.
[d] Includes 1 couple "Indian and African," 3 couples White and Indian, 3 couples, male White and Indian, female White, 1 couple, male White and Indian," female Indian, and 1 couple, male Indian, female White.
[e] 1 couple "African."
[f] 1 female ¼ Indian, 2 females White and Indian, and 1 female Indian.
[g] 1 couple "Colored."
[h] 1 couple "African," and 1 couple "Colored."
[i] 1 female Mulatto.
[j] 1 couple "Indian and African."
[k] 1 female White and Indian.
[l] 1 couple White and Indian.
[m] 1 female Indian.
[n] 1 couple, male White and Indian, female White, and 1 couple, male White and Indian, female Indian.

TABLE V.—CONTINUED.—*Marriages in 1881, by Counties, by Color.*

COUNTIES.	Marriages, 1881.	Color of Persons Married, 1881, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk.	Male Unk.	Both Unknown.
						Male White.	Female White.	
Gratiot	197	196	1					
Hillsdale	346	345	1					
Houghton	196	195						1
Huron	134	134						
Ingham	294	293	1					
Ionia	298	295				2		1
Iosco	110	108			1		1	
Isabella	99	98			1			
Isle Royal[a]								
Jackson	421	412	[b] 7	[c] 1				1
Kalamazoo	276	260	[b] 3	2				11
Kalkaska	31	31						
Kent	646	[d] 639	[e] 3	3		1		
Keweenaw	31	31						
Lake	21	21						
Lapeer	249	[f] 249						
Leelanaw	46	41			[g] 5			
Lenawee	509	507	[e] 1	[h] 1				
Livingston	166	164	2					
Mackinac	38	[i] 34			[j] 4			
Macomb	241	240	1					
Manistee	113	113						
Manitou	6	6						
Marquette	205	205						
Mason	101	100	1					
Mecosta	143	141	1	1				
Menominee	158	158						
Midland	59	59						
Missaukee	8	8						
Monroe	345	343	2					
Montcalm	236	234	1					1
Montmorency	1	1						

[a] No returns of marriages from county clerk.
[b] 1 couple "African."
[c] 1 couple, male "Light," female "Brunette."
[d] 1 male "Spanish."
[e] 1 female Mulatto.
[f] 1 female White and Indian.
[g] 1 couple, male White and Indian, female White.
[h] 1 female Black.
[i] 1 female Indian, and 1 female White and Indian.
[j] 2 couples White and Indian, 1 couple, male White and Indian, female White, and 1 couple, male Indian, female White.

TABLE V.—CONTINUED.—*Marriages in 1881, by Counties, by Color.*

COUNTIES.	Marriages, 1881.	Color of Persons Married, 1881, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk. / Male White.	Male Unk. / Female White.	Both Unknown.
Muskegon	324	324						
Newaygo	112	111			1			
Oakland	307	305	1	1				
Oceana	97	93	2		2			
Ogemaw	14	14						
Ontonagon	15	15						
Osceola	125	125						
Oscoda	3	3						
Otsego	20	20						
Ottawa	317	317						
Presque Isle	33	33						
Roscommon	13	12		[a] 1				
Saginaw	570	567		2	1			
Sanilac	125	125						
Schoolcraft	6	[b] 6						
Shiawassee	206	206						
St. Clair	369	368			1			
St. Joseph	364	361	[c] 2	1				
Tuscola	199	199						
Van Buren	249	237	[d] 4	5	3			
Washtenaw	322	316	[a] 4	[e] 2				
Wayne	1,555	1,509	[f] 38	6				2
Wexford	67	64				3		

[a] 1 female White.
[b] 1 female Indian.
[c] 1 female Mulatto.
[d] 1 female "Octoroon," and 1 female Mulatto.
[e] 1 couple, male ½ White, female ½ Black, and 1 couple, male ½ Black, female ½ White.
[f] 3 couples "African," and 10 couples "Colored."

NATIVITY OF PERSONS MARRIED.

Some important items of interest concerning the nativity of the persons married in this State in 1881 will be found in Exhibit 1 and Table VI.

Exhibit 1 shows that 68.12 per cent. of the males, and 72.30 per cent. of the females married in 1881 were native-born; also that 30.96 per cent. of the males and 26.20 per cent. of the females were foreign-born. This is a smaller proportion of the native-born for both males and females, and a larger proportion of foreign-born for both males and females than in 1880.

EXHIBIT 1.—*By Nativity, the Number and Per Cent. of Brides and of Bridegrooms Returned as having been married in Michigan during the Year ending December 31, 1881, and by number, the manner of their Union by Nativity.*

BRIDEGROOMS AND BRIDES, NATIVITY SPECIFIED.		Brides, 1881.			Bridegrooms, 1881.	
		Native.	Foreign.	Unknown.	Total of each Nativity, and of all Nativities.	Per Cent. of each Nativity.
Bridegrooms	Native	8,804	1,214	96	10,114	68.12
	Foreign	1,894	2,672	31	4,597	30.96
	Unknown	37	4	95	136	.92
Brides	Whole No. of each nativity and total	10,735	3,890	222	14,847	.....
	Per cent. of each nativity and total	72.30	26.20	1.50	.....	100.00

Table VI. shows the marriage-rate among the native and foreign-born inhabitants of Michigan for the year 1881. It will be seen that the marriage-rate is much greater among the foreign-born than among the native. It should be remembered, however, that this showing is based upon the number of marriages in 1881 and the number of inhabitants in 1880; and also that the statement includes persons at all ages, when it is a well-known fact that there are more children under the marriageable age among the native-born than among the foreign-born.

The number of marriages in which both parties were born in the United States was 8,804, or 59.30 per cent. of all; this is a smaller proportion of this class than in 1880. The number of marriages in which both parties were foreign-born was 2,672, or 18 per cent. of all; this is a larger proportion than in 1880.

TABLE VI.—*Exhibiting, by Sex, the Nativity of Persons returned as having been Married in Michigan during the Year 1881.*

NATIVITY.	Marriages, 1881.		Population June 1, 1880, Represented by Marriages in 1881.			Persons Married, 1881.					
						Number.			Per Cent. of Persons Married in 1881 to Population of same nativity June 1, '80.		
	Number.	Per Cent. of Total.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.
Total	14,847	100.00	1,636,882	862,324	774,558	29,694	14,847	14,847	1.81	1.72	1.92
Native	8,804	59.30	1,248,395	642,913	605,482	20,849	10,114	10,735	1.67	1.57	1.77
Foreign	2,672	18.00	388,487	219,411	169,076	8,487	4,597	3,890	2.18	2.10	2.30
Foreign Male and Native Female	1,894	12.75	.....	.....	.....	.....	.....	.....	.....	.....	.....
Foreign Female and Native Male	1,214	8.18	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unknown	* 263	1.77	.....	.....	.....	358	136	222	.....	.....	.....
One or Both Native	11,912	80.23	.....	.....	.....	.....	.....	.....	.....	.....	.....
One or Both Foreign	5,780	38.93	.....	.....	.....	.....	.....	.....	.....	.....	.....

* Includes cases where one or both are unknown.

AGES OF PERSONS MARRIED.

Exhibit C shows, by nativity, the average age of males and females married in Michigan in each of the years 1878, 1879, 1880, and 1881. It is seen that the average age of the native-born is a little less than the average age for all nativities, while the average age of the foreign-born is a little more than the average age for all nativities. The average age of the males is about five years greater than the average age of the females.

EXHIBIT C.—*By Nativity, the Average Age of Persons Married in Michigan in 1878–1881, inclusive, according to the Returns.*

Nativity of Persons Married.	1878.		1879.		1880.		1881.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
All nativities	28.01	22.91	28.01	23.00	28.08	23.20	28.09	23.20
Native	27.46	22.54	27.48	22.65	27.59	22.82	27.49	22.83
Foreign	29.51	24.28	29.42	24.28	29.29	24.42	29.33	24.20
Unknown	28.82	23.62	28.00	24.33	28.31	23.37	31.43	23.83

Table VII. shows the number and proportion of males and females married in Michigan in 1881 at each period of age. The largest proportion of both males and females in 1881 was for those at the ages of 21 to 25 years. It also shows that 66.52 per cent. of the males who were married in Michigan in 1881 were between the ages of 21 and 30 years; and 42.75 per cent. of the females were married between those ages. The proportion of the sexes is nearer equal at this period of life than at any other period.

TABLE VII.—*By Sex, and Periods of Age, the Number and Per Cent. of Total Number of Persons Married at each Age and Period of Age, during the Year 1881; and the Per Cent. of each Sex at each Age and Period of Age to the Total Number of both Sexes.*

AGES IN YEARS AND PERIODS.	MARRIAGES, 1881.						
	Total Number of Persons Married.	MALES.			FEMALES.		
		Number Married.	Per Cent. of Total Marriages.	Per Cent. of Persons Married at Corresponding Ages.	Number Married.	Per Cent. of Total Marriages.	Per Cent. of Persons Married at Corresponding Ages.
All ages.....a	29,694	14,847	100.00	50.00	14,847	100.00	50.00
13	1	.....	.....	.....	1	.01	100.00
14	29	.....	.....	.....	29	.20	100.00
15	121	.....	.....	.....	121	.81	100.00
16	751	.....	.....	.....	751	5.06	100.00
17	1,022	12	.08	1.17	1,010	6.80	98.83
18	1,620	86	.58	5.31	1,534	10.33	94.69
19	1,748	244	1.64	13.96	1,504	10.13	86.04
20	2,173	594	4.00	27.34	1,579	10.64	72.66
21 to 25	9,874	5,416	36.48	54.85	4,458	30.03	45.15
25 to 30	6,349	4,460	30.04	70.25	1,889	12.72	29.75
30 to 35	2,458	1,757	11.83	71.48	701	4.72	28.52
35 to 40	1,230	796	5.36	64.72	434	2.92	35.28
40 to 45	739	467	3.15	63.19	272	1.83	36.81
45 to 50	510	306	2.06	60.00	204	1.37	40.00
50 to 55	334	232	1.56	69.46	102	.69	30.54
55 to 60	207	139	.94	67.15	68	.46	32.85
60 to 65	174	118	.79	67.82	56	.38	32.18
65 to 70	98	80	.54	81.63	18	.12	18.37
70 to 75	46	41	.28	89.13	5	.03	10.87
75 to 80	20	19	.13	95.00	1	.01	5.00
80 and over	3	3	.02	100.00	.....	.....	.....
Unknown	187	77	.52	41.18	110	.74	58.82
Under 15	30	.....	.....	.....	30	.20	100.00
15 to 20	5,262	342	2.30	6.50	4,920	33.14	93.50
20 to 25	12,047	6,010	40.48	49.89	6,037	40.66	50.11

a At ages at which marriages occurred.

Exhibit 2 is interesting as showing the number of males and females married at each age, and the excess of the sexes. At ages 13 to 21 years, there was an excess of females, but for the remaining years there was an excess of males. The largest excess appears for females aged 18 years.

EXHIBIT 2.—*Number of Persons Returned as having been Married in Michigan in 1881, by Sex, and Excess of the Sexes, by Age in Years.*

Ages in Years.	Persons Married in 1881.			Excess.		Ages in Years.	Persons Married in 1881.			Excess.	
	Total.	Males.	Females.	Males.	Females.		Total.	Males.	Females.	Males.	Females.
All ages	29,694	14,847	14,847	.....	.....	47	84	46	38	8	.....
						48	90	51	39	12	.....
13	1	.....	1	.....	1	49	91	53	38	15	.....
14	29	.....	29	.....	29	50	102	71	31	40	.....
15	121	.....	121	.....	121	51	65	44	21	23	.....
16	751	.....	751	.....	751	52	54	34	20	14	.....
17	1,022	12	1,010	.....	998	53	65	49	16	33	.....
18	1,620	86	1,534	.....	1,448	54	48	34	14	20	.....
19	1,748	244	1,504	.....	1,260	55	52	37	15	22	.....
20	2,173	594	1,579	.....	985	56	48	29	19	10	.....
21	2,597	1,240	1,357	.....	117	57	42	30	12	18	.....
22	2,615	1,345	1,270	75	.....	58	38	22	16	6	.....
23	2,546	1,500	1,046	454	.....	59	27	21	6	15	.....
24	2,116	1,331	785	546	.....	60	59	44	15	29	.....
25	1,722	1,165	557	608	.....	61	27	16	11	5	.....
26	1,536	1,061	475	586	.....	62	40	25	15	10	.....
27	1,222	864	358	506	.....	63	24	17	7	10	.....
28	1,104	815	289	526	.....	64	24	16	8	8	.....
29	765	555	210	345	.....	65	22	20	2	18	.....
30	787	567	220	347	.....	66	27	19	8	11	.....
31	477	353	124	229	.....	67	15	14	1	13	.....
32	478	350	128	222	.....	68	17	14	3	11	.....
33	376	256	120	136	.....	69	17	13	4	9	.....
34	340	231	109	122	.....	70	16	14	2	12	.....
35	311	207	104	103	.....	71	3	2	1	1	.....
36	270	175	95	80	.....	72	9	7	2	5	.....
37	216	139	77	62	.....	73	9	9	.....	9	.....
38	253	167	86	81	.....	74	9	9	.....	9	.....
39	180	108	72	36	.....	75	11	11	.....	11	.....
40	223	147	76	71	.....	76	5	4	1	3	.....
41	137	94	43	51	.....	77	4	4	.....	4	.....
42	158	97	61	36	.....	80	1	1	.....	1	.....
43	113	63	50	13	.....	81	1	1	.....	1	.....
44	108	66	42	24	.....	84	1	1	.....	1	.....
45	142	83	59	24	.....	Unk..	187	77	110	.....	33
46	103	73	30	43	.....						

TABLE VIII.—*Exhibiting for the State and Counties, by Sex, the Nativity and Age in Periods of Years, of Persons Returned as having been Married in Michigan during the year ending December 31, 1881.*

STATE AND COUNTIES.	Number of Couples Married, 1881.	Nativity of Persons Married, 1881, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1881.														
		Both Native.	Both Foreign.	Foreign Males, Native Females.	Foreign Females, Native Males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both Unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
STATE	14,847	8,804	2,672	1,894	1,214	a 96	b 31	37	4	c 9	Total	5,292	12,047	6,349	2,458	1,230	739	510	334	207	174	98	46	20	3	187
											Males	342	6,010	4,460	1,757	796	467	306	232	139	118	80	41	19	3	77
											Females	4,950	6,037	1,889	701	434	272	204	102	68	56	18	5	1	----	110
Alcona	14	1	10	------	3	------	------	------	------	----	Males	------	8	2	1	2	----	----	----	1	----	----	----	----	----	----
											Females	6	6	1	------	----	1	----	----	----	----	----	----	----	----	----
Allegan	372	275	31	47	15	1	------	2	------	1	Males	4	159	92	54	22	9	8	4	2	7	7	1	2	1	----
											Females	128	139	51	19	10	10	4	4	2	5	----	----	----	----	----
Alpena	100	15	55	18	11	------	1	------	------	----	Males	------	28	50	7	7	----	1	----	1	----	----	----	----	----	6
											Females	40	34	13	1	1	2	1	----	1	----	----	----	----	----	7
Antrim	36	13	15	7	1	------	------	------	------	----	Males	2	12	15	1	1	3	----	----	----	1	----	----	----	----	1
											Females	16	10	6	------	1	----	1	----	----	----	----	1	----	----	1
Baraga	16	9	3	4	------	------	------	------	------	----	Males	------	3	6	3	2	1	----	1	----	----	----	----	----	----	----
											Females	2	10	2	2	----	----	----	----	----	----	----	----	----	----	----
Barry	199	170	4	19	5	1	------	------	------	----	Males	9	80	62	19	5	3	6	4	4	5	2	----	----	----	----
											Females	90	68	16	6	4	6	3	3	2	1	----	----	----	----	----
Bay	302	90	102	53	57	------	------	------	------	----	Males	6	85	113	47	25	9	5	6	5	1	----	----	----	----	----
											Females	99	125	43	11	11	4	7	2	----	----	----	----	----	----	----
Benzie	43	24	11	4	3	------	------	------	------	1	Males	1	18	10	7	2	2	2	1	----	----	----	----	----	----	----
											Females	15	20	3	3	----	1	1	----	----	----	----	----	----	----	----
Berrien	562	447	38	37	19	14	3	3	------	1	Males	18	251	154	57	29	17	12	11	5	6	----	----	1	----	1
											Females	180	236	76	26	15	8	12	4	1	1	----	----	----	----	3
Branch	251	214	7	16	9	2	------	2	------	1	Males	9	117	67	18	10	8	5	2	2	5	3	4	----	1	----
											Females	95	92	28	12	4	5	7	2	2	2	1	----	----	----	1
Calhoun	329	276	8	28	12	4	------	1	------	----	Males	2	132	100	33	22	7	9	6	2	5	5	2	----	----	4
											Females	87	142	50	13	10	7	9	2	4	1	1	----	----	----	3

Cass	251	226	5	10	10	----	----	----	----	----	Males	7	119	52	28	14	9	5	7	2	5	----	1	2	----	----
											Females	79	104	32	14	9	5	5	1	1	----	----	1	----	----	----
Charlevoix	54	27	12	8	7	----	----	----	----	----	Males	1	18	15	10	5	4	----	----	----	----	----	1	----	----	----
											Females	24	18	8	2	----	----	1	1	----	----	----	----	----	----	----
Cheboygan	73	23	24	17	9	----	----	----	----	----	Males	2	32	28	5	3	----	3	----	----	----	----	----	----	----	----
											Females	35	29	6	----	1	----	1	1	----	----	----	----	----	----	----
Chippewa	52	7	31	1	12	----	1	----	----	----	Males	----	16	24	6	2	2	1	1	----	----	----	----	----	----	----
											Females	27	18	4	1	1	----	----	1	----	----	----	----	----	----	----
Clare	42	20	4	7	7	1	----	----	----	3	Males	4	15	15	5	1	2	----	----	----	----	----	----	----	----	----
											Females	20	16	5	----	----	----	----	----	----	----	----	----	----	----	1
Clinton	236	194	6	23	10	2	1	----	----	----	Males	12	114	67	14	9	3	3	6	3	3	1	1	----	----	----
											Females	102	93	17	7	6	2	5	1	2	----	1	----	----	----	----
Crawford	11	5	----	4	2	----	----	----	----	----	Males	----	6	5	----	----	----	----	----	----	----	----	----	----	----	----
											Females	5	5	1	----	----	----	----	----	----	----	----	----	----	----	----
Delta	72	19	34	10	9	----	----	----	----	----	Males	----	28	24	9	5	2	1	2	----	----	----	----	----	----	1
											Females	23	31	8	6	2	----	1	----	----	----	----	----	----	----	1
Eaton	240	211	3	10	10	3	1	2	----	----	Males	14	109	58	17	12	9	8	4	2	5	----	1	----	----	1
											Females	81	106	20	7	10	7	3	1	3	1	----	----	----	----	1
Emmet	64	30	8	16	9	----	----	----	----	1	Males	1	25	14	12	2	3	1	2	2	1	----	----	----	----	1
											Females	24	22	6	3	2	4	1	----	1	----	----	----	----	----	1
Genesee	329	227	26	44	30	----	[a] 1	----	----	1	Males	12	152	85	27	16	13	9	4	3	2	2	2	2	----	----
											Females	120	117	44	18	15	3	5	1	3	----	3	----	----	----	----
Gladwin	4	2	1	1	----	----	----	----	----	----	Males	----	----	2	1	1	----	----	----	----	----	----	----	----	----	----
											Females	2	1	----	1	----	----	----	----	----	----	----	----	----	----	----
Gr. Traverse	59	35	11	6	5	[a] 1	----	----	----	1	Males	1	27	13	9	4	1	1	1	1	----	----	1	----	----	----
											Females	24	16	11	3	2	----	----	2	----	1	----	----	----	----	----
Gratiot	197	158	5	20	13	----	----	----	----	1	Males	7	84	61	22	6	4	8	2	1	----	----	----	1	----	1
											Females	100	62	17	5	4	1	3	2	----	1	----	1	----	----	1
Hillsdale	346	329	2	10	3	1	----	----	----	1	Males	12	162	91	31	18	8	8	5	3	5	1	1	----	----	1
											Females	125	133	40	16	10	3	6	5	2	1	----	----	----	----	5
Houghton	196	19	142	30	5	----	----	----	----	----	Males	4	69	70	31	9	7	2	3	----	----	----	----	----	----	1
											Females	59	87	29	13	6	1	----	----	----	----	----	----	----	----	1
Huron	134	28	50	30	13	----	[a] 4	1	----	[d] 2	Males	----	52	50	21	3	1	----	5	----	----	----	----	----	----	2
											Females	52	52	16	6	1	2	1	1	----	----	----	----	----	----	3

[a] 1 female "America." [b] 6 females "America." [c] 3 couples and 1 male "America." [d] 1 couple "America."

TABLE VIII.—CONTINUED.—*Marriages by Counties, Nativity, and Periods of Age.*

COUNTIES.	Number of Couples Married, 1881.	Nativity of Persons Married, 1881, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1881.														
		Both Native.	Both Foreign.	Foreign Males, Native Females.	Foreign Females, Native Males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both Unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Ingham	294	222	19	26	19	2	.....	1	.....	5	Males	6	122	96	22	16	12	4	8	3	2	2	.....		.....	1
											Females	118	106	31	11	11	5	7	1	1	2	.....	.....		.....	1
Ionia	298	213	9	49	22	2	.....	1	.....	2	Males	11	120	95	31	17	5	3	3	7	2	.....	3		.....	.....
											Females	111	114	31	15	8	8	8	2	.....	1	.....	.....		.....	.....
Iosco	110	24	53	21	11	.....	1	.....	.....	.....	Males	2	46	39	17	2	2	2	.....	.....	.....	.....	.....		.....	.....
											Females	42	47	14	4	2	.....	.....	.....	.....	.....	.....	.....		.....	1
Isabella	99	58	17	11	11	.....	.....	1	1	.....	Males	2	44	33	10	2	2	1	2	.....	1	1	1		.....	.....
											Females	39	39	8	5	4	1	1	.....	1	1	.....	.....		.....	.....
Jackson	421	333	19	34	27	1	.....	3	.....	4	Males	13	173	103	52	29	21	5	6	5	6	8	.....		.....	.....
											Females	122	186	51	22	12	11	3	6	2	4	1	.....		.....	1
Kalamazoo	276	218	14	18	14	.....	.....	1	.....	1	Males	6	97	81	30	21	11	4	8	7	5	5	.....		.....	1
											Females	64	108	49	24	7	7	6	2	5	1	.....	.....		.....	3
Kalkaska	31	21	2	3	4	.....	.....	1	.....	.....	Males	.....	13	9	5	2	.....	.....	.....	1	.....	.....	1		.....	.....
											Females	15	10	3	.....	.....	1	1	1	.....	.....	.....	.....		.....	.....
Kent	646	363	145	84	52	1	.....	.....	.....	1	Males	14	262	206	72	38	21	16	7	3	2	2	2		.....	1
											Females	214	258	89	32	17	14	9	5	3	.....	2	.....		.....	3
Keweenaw	31	6	11	12	2	.....	.....	.....	.....	.....	Males	.....	8	6	5	.....	.....	.....	.....	.....	.....	.....	.....		.....	12
											Females	9	8	1	.....	1	.....	.....	.....	.....	.....	.....	.....		.....	12
Lake	21	18	1	.....	2	.....	.....	.....	.....	.....	Males	1	10	4	5	.....	1	.....	.....	.....	.....	.....	.....		.....	.....
											Females	12	5	1	2	1	.....	.....	.....	.....	.....	.....	.....		.....	.....
Lapeer	249	133	46	43	26	.....	.....	.....	1	.....	Males	10	101	75	23	9	7	6	7	2	4	1	2		.....	1
											Females	84	108	27	9	6	4	3	1	1	4	.....	.....		.....	2
Leelanaw	46	27	4	11	3	1	.....	.....	.....	.....	Males	1	17	13	8	1	1	2	3	.....	.....	.....	.....		.....	.....
											Females	19	17	6	.....	1	1	2	.....	.....	.....	.....	.....		.....	.....

Lenawee	509	427	23	28	18	8	------	2	------	3	Males	12	198	156	60	29	12	15	8	4	7	3	4	1	----	----
											Females	140	216	70	34	20	13	6	2	2	----	1	1	----	----	4
Livingston	166	131	2	19	11	1	------	2	------	----	Males	4	74	40	23	13	4	4	2	2	----	----	----	----	----	----
											Females	63	62	24	9	3	2	1	1	1	----	----	----	----	----	----
Mackinac	38	13	9	13	3	------	------	------	------	----	Males	2	12	14	8	----	1	1	----	----	----	----	----	----	----	----
											Females	19	11	3	2	1	2	----	----	----	----	----	----	----	----	----
Macomb	241	129	37	50	24	------	------	1	------	----	Males	2	102	75	22	14	10	5	3	3	1	2	1	1	----	----
											Females	60	115	32	14	11	4	----	3	1	1	----	----	----	----	----
Manistee	113	37	48	17	10	------	1	------	------	----	Males	3	31	42	16	7	7	2	4	1	----	----	----	----	----	----
											Females	33	53	13	6	1	2	4	----	----	1	----	----	----	----	----
Manitou	6	2	1	3	------	------	------	------	------	----	Males	------	5	1	------	----	----	----	----	----	----	----	----	----	----	----
											Females	2	2	2	------	----	----	----	----	----	----	----	----	----	----	----
Marquette	205	16	153	19	14	------	[a] 1	------	------	[b] 2	Males	2	77	70	31	11	4	1	----	1	----	1	----	----	----	7
											Females	71	79	24	17	5	1	----	----	1	----	----	----	----	----	7
Mason	101	53	27	14	4	1	------	------	------	2	Males	------	42	27	17	9	3	1	1	----	----	1	----	----	----	----
											Females	20	48	14	1	3	1	2	1	1	----	----	----	----	----	----
Mecosta	143	74	27	27	14	------	------	------	------	1	Males	2	53	52	24	4	6	2	----	----	----	----	----	----	----	----
											Females	51	52	21	12	4	----	3	----	----	----	----	----	----	----	----
Menominee	158	34	83	19	17	------	4	1	------	----	Males	------	53	62	22	7	5	4	----	1	----	----	----	----	----	4
											Females	46	69	15	9	8	2	2	----	----	1	----	----	----	----	6
Midland	59	32	5	13	7	------	------	1	1	----	Males	2	26	13	5	3	4	2	2	1	----	----	----	----	----	1
											Females	20	24	6	3	2	----	1	2	----	----	----	----	----	----	1
Missaukee	8	5	3	------	------	------	------	------	------	----	Males	1	2	4	------	1	----	----	----	----	----	----	----	----	----	----
											Females	5	2	------	1	----	----	----	----	----	----	----	----	----	----	----
Monroe	345	266	14	42	18	1	------	1	------	3	Males	8	141	104	49	15	9	6	4	2	2	1	1	2	----	1
											Females	112	145	46	18	11	5	2	----	1	3	----	----	----	----	2
Montcalm	236	146	34	26	27	2	------	------	------	1	Males	6	104	63	31	19	1	3	5	----	2	1	----	----	----	1
											Females	93	86	22	11	7	6	----	3	1	1	----	----	----	----	1
Montmorency	1	1	------	------	------	------	------	------	------	----	Males	------	------	------	------	1	----	----	----	----	----	----	----	----	----	----
											Females	------	1	------	------	----	----	----	----	----	----	----	----	----	----	----
Muskegon	324	123	117	44	38	2	------	------	------	----	Males	4	143	98	38	16	10	5	4	2	1	2	----	----	----	1
											Females	114	119	52	18	9	3	3	1	----	2	----	1	----	----	2
Newaygo	112	87	3	16	6	------	------	------	------	----	Males	3	39	41	10	6	6	2	2	----	3	----	----	----	----	----
											Females	55	30	9	4	3	2	6	1	----	2	----	----	----	----	----

[a] 1 female "America."

[b] 1 couple "America."

TABLE VIII.—CONTINUED.—*Marriages by Counties, Nativity, and Periods of Age.*

COUNTIES.	Number of Couples Married, 1881.	Nativity of Persons Married, 1881, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1881.														
		Both Native.	Both Foreign.	Foreign Males, Native Females.	Foreign Females, Native Males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both Unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Oakland	307	217	15	37	22	8	1	3	.....	4	Males	4	128	80	46	13	11	5	4	3	3	4	....	....	....	6
											Females	62	162	39	10	8	7	5	3	3	....	2	....	....	....	6
Oceana	97	67	6	17	6	1	.....	.....	.....	....	Males	.....	49	22	13	6	3	2	1	1	....	....	....	....	....	....
											Females	46	38	8	3	....	....	....	1	....	1	....	....	....	....	....
Ogemaw	14	4	2	5	3	.....	.....	.....	.....	....	Males	1	8	4	1	....	....	....	....	....	....	....	....	....	....	....
											Females	6	5	3	.....	....	....	....	....	....	....	....	....	....	....	....
Ontonagon	15	6	2	6	1	.....	.....	.....	.....	....	Males	1	5	6	3	....	....	....	....	....	....	....	....	....	....	....
											Females	3	9	3	.....	....	....	....	....	....	....	....	....	....	....	....
Osceola	125	58	34	14	18	.....	.....	.....	.....	1	Males	1	57	37	13	8	1	1	4	1	1	....	1	....	....	....
											Females	53	47	13	3	2	3	1	1	....	1	....	....	....	....	1
Oscoda	3	.....	1	2	.....	.....	.....	.....	.....	....	Males	.....	1	2	.....	....	....	....	....	....	....	....	....	....	....	....
											Females	2	1	.....	.....	....	....	....	....	....	....	....	....	....	....	....
Otsego	20	7	1	7	4	.....	.....	1	.....	....	Males	.....	7	7	4	....	1	1	....	....	....	....	....	....	....	....
											Females	11	6	1	2	....	....	....	....	....	....	....	....	....	....	....
Ottawa	317	168	76	41	25	1	a 3	.....	.....	b 3	Males	11	127	87	40	8	16	8	6	1	5	6	1	....	....	1
											Females	117	116	35	16	11	6	7	2	4	1	2	....	....	....	....
Presque I.	33	1	26	2	4	.....	.....	.....	.....	....	Males	.....	10	15	5	1	2	....	....	....	....	....	....	....	....	....
											Females	22	5	3	2	....	1	....	....	....	....	....	....	....	....	....
Roscommon	13	5	4	1	2	.....	.....	.....	.....	1	Males	.....	8	3	1	....	....	....	....	....	....	....	1	....	....	....
											Females	5	7	.....	.....	....	....	....	1	....	....	....	....	....	....	....
Saginaw	570	239	140	108	81	1	.....	1	.....	....	Males	11	219	187	63	30	25	11	9	10	1	....	2	....	....	2
											Females	192	233	74	27	14	12	7	6	2	1	....	....	....	....	2
Sanilac	125	24	51	33	17	.....	.....	.....	.....	....	Males	1	47	41	17	9	3	3	....	2	1	1	....	....	....	....
											Females	57	39	16	4	3	1	1	1	....	1	....	....	1	....	1
Schoolcraft	6	3	1	.....	1	.....	.....	1	.....	....	Males	.....	3	1	.....	1	....	....	....	....	....	....	....	....	....	1
											Females	2	2	1	.....	....	....	....	....	....	....	....	....	....	....	1

Shiawassee	206	145	9	22	21	6	------	------	----		Males	6	89	59	20	13	3	8	1	3	1	2	----	----	----	1
											Females	71	88	19	11	2	6	5	1	----	1	----	----	----	----	2
St. Clair	369	119	115	82	46	3	2	1	------	1	Males	4	158	113	48	17	10	7	6	4	2	----	----	----	----	----
											Females	126	157	49	10	14	3	3	4	2	----	----	----	----	----	1
St. Joseph	364	313	10	28	7	4	------	------	------		Males	13	144	97	45	20	15	9	8	4	2	2	2	2	1	----
											Females	115	150	40	21	18	10	4	1	1	2	2	----	----	----	----
Tuscola	199	97	31	37	34	------	------	------	------	----	Males	8	85	67	19	7	5	1	2	3	1	1	----	----	----	----
											Females	99	63	21	5	5	3	1	----	1	1	----	----	----	----	----
Van Buren	249	216	8	12	5	7	------	------	------	1	Males	8	104	70	27	12	4	6	6	4	3	1	1	2	----	1
											Females	96	93	29	7	6	1	6	3	4	2	1	----	----	----	1
Washtenaw	322	215	29	41	34	2	1	------	------	----	Males	2	112	101	33	30	16	10	8	2	3	2	2	----	----	1
											Females	62	142	58	16	19	14	3	1	2	3	----	----	----	----	2
Wayne	1,555	564	521	241	175	7	4	2			Males	24	597	474	221	88	55	38	21	16	6	9	1	1	----	4
											Females	356	741	254	81	48	36	13	11	4	4	1	----	----	----	6
Wexford	67	30	16	6	9	4	1	1	------	----	Males	2	16	20	7	4	5	2	----	1	----	1	----	----	----	9
											Females	19	21	6	5	1	2	1	----	----	----	----	----	----	----	12

[a] 3 females "America.

[b] 1 couple and 1 male "America."

In Table IX. can be seen the number of males and females who were married in Michigan under the age of 21 years. In 1881 there were 7,465 such persons, of whom 936 were males, and 6,529 were females. This is a larger number than appears for any preceding year, and is more by 80 than was returned for 1880. There has been, with a few exceptions, a gradual increase from year to year in the number of persons married in Michigan under 21 years of age; 6.30 per cent. of the males, and 43.98 per cent. of the females being thus married in 1881.

This table also shows the number of males and females who were returned as having been married under the legal age. There were 12 males, and 151 females who were thus illegally joined in matrimony in 1881. Attention is called to one case in Saginaw county where the bride was returned as only 13 years of age, the groom being 22 years old. This marriage was solemnized in East Saginaw, by John McEldowney, minister of the gospel. The penalty for solemnizing such marriages is a fine of five hundred dollars, and of spending a year in the county jail.

TABLE IX.—*Exhibiting, for the State and Counties, the Total Number of each Sex under 21 years of Age; and the Number of each Sex at each Age under that of 21 years, Returned as having been Married in Michigan during the year ending December 31, 1881.*

STATE AND COUNTIES.	Persons Married Under 21 Years of Age, 1881.			Ages of Males, 1881.					Ages of Females, 1881.								
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.[a]	Sixteen.[a]	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.[a]	Fourteen.[a]	Thirteen.[a]	Twelve.[a]
STATE	7,465	936	6,529	594	244	86	12	....	1,579	1504	1534	1010	751	121	29	1	....
Alcona	6	.....	6	....	....	....	....	....	.....	....	1	3	1	1	....	....	....
Allegan	199	28	171	24	2	2	....	....	43	36	48	21	20	3	....	....	....
Alpena	49	3	46	3	....	....	....	....	6	16	13	5	4	1	1	....	....
Antrim	22	3	19	1	1	1	....	....	3	2	4	5	3	2	....	....	....
Baraga	6	.....	6	....	....	....	....	....	4	1	1	....	....	....	....	....	....
Barry	134	20	114	11	4	4	1	....	24	24	32	17	13	2	2	....	....
Bay	142	11	131	5	4	2	....	....	32	28	25	26	17	3	....	....	....
Benzie	26	4	22	3	1	....	....	....	7	4	2	4	3	1	1	....	....
Berrien	298	47	251	29	17	....	1	....	71	57	54	41	25	3	....	....	....
Branch	142	23	119	14	7	2	....	....	24	30	31	11	21	2	....	....	....
Calhoun	132	12	120	10	2	....	....	....	33	31	26	17	12	1	....	....	....
Cass	127	24	103	17	7	....	....	....	24	21	26	21	9	2	....	....	....
Charlevoix	30	1	29	....	....	1	....	....	5	9	5	3	6	1	....	....	....
Cheboygan	47	4	43	2	1	1	....	....	8	5	12	8	8	2	....	....	....
Chippewa	32	.....	32	....	....	....	....	....	5	8	12	4	3	....	....	....	....
Clare	27	5	22	1	2	1	1	....	2	1	4	5	4	5	1	....	....
Clinton	148	20	128	8	9	2	1	....	26	33	29	24	14	1	1	....	....

[a] Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4728), and (4729), Compiled Laws of 1871, pages 1462, 1463, and 1464.

TABLE IX.—CONTINUED.—*Persons Married under 21 Years of Age.*

COUNTIES.	Persons Married Under 21 Years of Age, 1881.			Ages of Males, 1881.					Ages of Females, 1881.								
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.[a]	Sixteen.[a]	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.[a]	Fourteen.[a]	Thirteen.[a]	Twelve.[a]
Crawford	8	----	8	----	----	----	----	----	3	1	----	2	1	1	----	----	----
Delta	34	3	31	3	----	----	----	----	8	8	8	2	4	----	1	----	----
Eaton	140	32	108	18	10	4	----	----	27	24	15	21	16	3	2	----	----
Emmet	41	7	34	6	----	1	----	----	10	8	9	3	4	----	----	----	----
Genesee	166	24	142	12	8	3	1	----	22	24	40	24	29	3	----	----	----
Gladwin	2	----	2	----	----	----	----	----	----	----	----	----	2	----	----	----	----
Grand Traverse	30	1	29	----	1	----	----	----	5	7	4	5	7	1	----	----	----
Gratiot	134	16	118	9	6	1	----	----	18	17	27	20	31	4	1	----	----
Hillsdale	181	28	153	16	7	5	----	----	28	38	48	25	14	----	----	----	----
Houghton	84	12	72	8	----	4	----	----	13	15	16	15	8	2	3	----	----
Huron	71	3	68	3	----	----	----	----	16	16	16	11	8	1	----	----	----
Ingham	160	20	140	14	6	----	----	----	22	26	43	24	20	3	2	----	----
Ionia	175	31	144	20	6	5	----	----	33	31	32	28	17	3	----	----	----
Iosco	62	5	57	3	2	----	----	----	15	12	12	6	9	3	----	----	----
Isabella	60	7	53	5	1	1	----	----	14	11	10	10	6	2	----	----	----
Jackson	191	32	159	19	11	2	----	----	37	38	38	21	22	1	2	----	----
Kalamazoo	107	17	90	11	3	3	----	----	26	25	17	12	9	1	----	----	----
Kalkaska	22	1	21	1	----	----	----	----	6	3	3	3	5	1	----	----	----
Kent	328	38	290	24	9	4	1	----	76	69	67	44	33	----	1	----	----
Keweenaw	9	----	9	----	----	----	----	----	----	3	2	1	3	----	----	----	----
Lake	15	1	14	----	----	1	----	----	2	3	3	1	4	1	----	----	----
Lapeer	142	21	121	11	6	3	1	----	37	17	34	14	17	2	----	----	----
Leelanaw	29	2	27	1	1	----	----	----	8	8	4	4	3	----	----	----	----
Lenawee	222	29	193	17	10	2	----	----	53	43	46	31	17	2	1	----	----
Livingston	88	11	77	7	4	----	----	----	14	22	17	16	7	1	----	----	----
Mackinac	22	2	20	----	2	----	----	----	1	3	9	4	3	----	----	----	----
Macomb	99	7	92	5	1	1	----	----	32	25	15	14	6	----	----	----	----
Manistee	57	7	50	4	3	----	----	----	17	9	8	7	7	2	----	----	----
Manitou	2	----	2	----	----	----	----	----	----	----	----	1	1	----	----	----	----
Marquette	98	5	93	3	1	1	----	----	22	24	19	14	7	6	1	----	----
Mason	43	3	40	3	----	----	----	----	10	7	12	3	4	4	----	----	----
Mecosta	68	4	64	2	2	----	----	----	13	13	10	12	13	3	----	----	----
Menominee	64	2	62	2	----	----	----	----	16	18	14	5	6	2	1	----	----
Midland	36	6	30	4	1	1	----	----	10	4	4	6	3	2	1	----	----

[a] Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4728), and (4729), Compiled Laws of 1871, pages 1462, 1463, and 1464.

TABLE IX.—CONTINUED.—*Persons Married under 21 Years of Age.*

COUNTIES.	Persons Married Under 21 Years of Age, 1881.			Ages of Males, 1881.					Ages of Females, 1881.								
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.a	Sixteen.a	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.a	Fourteen.a	Thirteen.a	Twelve.a
Missaukee	8	2	6	1	----	1	----	----	1	3	----	1	1	----	----	----	----
Monroe	168	17	151	9	6	2	----	----	39	39	35	24	13	1	----	----	----
Montcalm	143	22	121	16	5	1	----	----	23	26	29	19	19	5	----	----	----
Muskegon	169	16	153	12	1	2	1	----	39	38	35	26	11	4	----	----	----
Newaygo	70	8	62	5	1	2	----	----	7	17	14	12	9	2	1	----	----
Oakland	110	12	98	8	3	1	----	----	36	24	16	18	4	----	----	----	----
Oceana	65	7	58	7	----	----	----	----	12	8	18	9	10	1	----	----	----
Ogemaw	8	2	6	1	1	----	----	----	------	----	2	1	2	----	1	----	----
Ontonagon	9	2	7	1	----	1	----	----	4	----	3	----	----	----	----	----	----
Osceola	70	6	64	5	1	----	----	----	11	17	15	7	9	3	2	----	----
Oscoda	2	------	2	----	----	----	----	----	------	----	1	1	----	----	----	----	----
Otsego	13	------	13	----	----	----	----	----	2	2	4	2	2	1	----	----	----
Ottawa	172	30	142	19	10	1	----	----	25	33	39	26	17	1	1	----	----
Presque Isle	22	------	22	----	----	----	----	----	------	6	5	7	3	1	----	----	----
Roscommon	5	------	5	----	----	----	----	----	------	1	1	2	1	----	----	----	----
Saginaw	274	28	246	17	9	2	----	----	54	65	60	39	19	7	1	1	----
Sanilac	76	6	70	5	----	1	----	----	13	20	17	11	9	----	----	----	----
Schoolcraft	4	------	4	----	----	----	----	----	2	----	----	2	----	----	----	----	----
Shiawassee	111	12	99	6	5	1	----	----	28	15	23	18	15	----	----	----	----
St. Clair	184	17	167	13	4	----	----	----	41	48	38	24	16	----	----	----	----
St. Joseph	179	27	152	14	7	4	2	----	37	35	39	28	11	2	----	----	----
Tuscola	146	24	122	16	6	1	1	----	23	24	30	22	21	1	1	----	----
Van Buren	145	22	123	14	7	1	----	----	27	29	21	25	17	4	---	----	----
Washtenaw	106	10	96	8	2	----	----	----	34	24	22	8	6	2	----	----	----
Wayne	620	78	542	54	17	7	----	----	186	149	129	51	27	----	----	----	----
Wexford	29	6	23	4	1	----	1	----	4	3	11	3	----	2	----	----	----

a Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4728), and (4729), Compiled Laws of 1871, pages 1462, 1463, and 1464.

MANNER OF UNION BY AGES.

Table X. shows the number of males at each period of age who married females at each of the periods of age: The ages of the males are placed in the first column, and the ages of the females across the top of the table. The table may be read as follows: The column next to the last shows that 342 males, who were married under 20 years of age, married 261 females aged under 20 years, 72 aged 20 to 25 years, 5 aged 25 to 30 years, 1 aged 30 to 35 years, and 3 whose ages were not returned; in like manner the other numbers in this column may be read. The 4,950 females, married under 20 years of

age, as seen in the line headed "Total Females," married males as follows: 261 married males under 20 years of age, 2,855 married males 20 to 25 years of age, 1,404 married males 25 to 30 years of age, etc. The last column and the bottom line of the table show the proportion of males and females married at each period of age. The largest proportion for both males and females appears for those aged 20 to 25 years.

TABLE X.—*Exhibiting the Number of each Sex at each Period of Age who were married in Michigan during the Year 1881; the Number of each Sex at each Period of Age who were united to the opposite Sex at each Period of Age; and the Per Cent. of Brides and of Bridegrooms at each Period of Age to Total at All Ages.*

AGES OF MALES, 1881.	Ages of Females, 1881.															Total Males.	Per Cent. of Grooms at each Age.
	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unk'n.		
Under 20	261	72	5	1	....	....	....	....	....	....	....	....	....	....	3	342	2.30
20 to 25	2,855	2,754	322	44	17	4	....	....	....	....	....	....	....	....	14	6,010	40.47
25 to 30	1,404	2,119	759	121	29	10	5	....	....	....	....	....	....	....	13	4,460	30.04
30 to 35	314	723	434	189	65	26	3	2	....	....	....	....	....	....	1	1,757	11.83
35 to 40	70	216	206	140	105	37	15	2	2	1	1	....	....	....	1	796	5.36
40 to 45	22	82	89	99	85	54	27	4	2	1	....	....	....	....	2	467	3.14
45 to 50	15	36	44	51	54	53	43	3	4	2	....	1	....	....	....	306	2.06
50 to 55	4	17	17	33	45	33	38	33	6	3	....	....	....	....	3	232	1.63
55 to 60	1	6	6	15	22	25	23	21	15	5	....	....	....	....	....	139	.93
60 to 65	2	3	5	5	7	19	26	9	20	17	1	2	1	....	1	118	.79
65 to 70	.....	5	1	2	3	6	13	20	10	15	5	....	....	....	....	80	.53
70 to 75	.....	1	1	....	2	3	8	6	5	7	7	1	....	....	....	41	.27
75 to 80	.....	.....	.....	1	....	1	3	1	4	5	3	1	....	....	....	19	.12
80 and over	.....	.....	.....	....	....	1	....	1	....	....	1	....	....	....	....	3	.02
Unknown	2	3	.....	....	....	....	....	....	....	....	....	....	....	....	72	77	.51
Total Females	4,950	6,037	1,889	701	434	272	204	102	68	56	18	5	1	....	110	14,847	.....
Per Ct. of Brides at each age	33.34	40.66	12.72	4.72	2.92	1.83	1.38	.69	.46	.38	.12	.03	.01	....	.74	.....	100.00

In Table XI. can be seen some of the great differences in the ages of persons returned as having been married in Michigan during the year 1881. Some of the most remarkable marriages of the year were as follows: In Cass county, a man of 70 was married to a woman of 22, and in Genesee county a man of 35 was married to a woman of 66. Some of the females who were married during the year were decidedly old, and some of the males, also, were married at quite advanced ages.

TABLE XI.—*Marriages with Great Disparity of Ages Returned as having been Solemnized in Michigan during the Year ending December 31, 1881.*

COUNTIES.	BRIDEGROOM OLDEST,—1881.					BRIDE OLDEST,—1881.				
	OCCUPATION OF BRIDEGROOM.	BIRTHPLACE.		AGE.		OCCUPATION OF BRIDEGROOM.	BIRTHPLACE.		AGE.	
		Bridegroom.	Bride.	Bridegroom.	Bride.		Bridegroom.	Bride.	Bridegroom.	Bride.
Allegan	Farmer	Canada	Canada	75	31	Farmer	Michigan	Pennsylvania	20	35
Alpena	Painter	Canada	Canada	45	19	Log Scaler	Maine	Maine	27	39
Antrim	Farmer	Wisconsin	Michigan	43	15					
Baraga	Carpenter	New York	Michigan	54	27					
Barry	Farmer	Germany	Germany	59	16					
Bay	Real-estate Dealer	Germany	Bohemia	59	33					
Benzie	Farmer	Nova Scotia	Massachusetts	49	24					
Berrien	Farmer	North Carolina	Delaware	76	40	Farmer	Indiana	Michigan	28	44
Branch	Physician	Unknown	Ohio	80	40	Farmer	New York	England	45	56
Calhoun	Farmer	New York	New York	70	39	Farmer	Michigan	New York	23	33
Cass	Farmer	Vermont	Michigan	70	22					
Charlevoix	Farmer	New York	Michigan	44	23	Farmer	Canada	Ireland	35	46
Cheboygan	Hotel-keeper	New York	Canada	46	20	Farmer	Canada	Canada	36	46
Chippewa	Farmer	Canada	Canada	48	21					
Clare	Unknown	Vermont	Michigan	42	21					
Clinton	Farmer	New York	New York	57	23	Salesman	Michigan	Unknown	28	38
Eaton	Farmer	Pennsylvania	Ohio	74	44	Laborer	Germany	New York	30	40
Genesee	Farmer	New York	Michigan	66	30	Laborer	England	New York	35	66
Grand Traverse	Engineer	New York	Michigan	47	16					
Gratiot	Farmer	New York	Michigan	47	22	Farmer	New York	New York	47	72
Hillsdale	Farmer	New York	New York	60	28	Farmer	Ohio	Pennsylvania	37	52

Houghton	Carpenter	Vermont	Michigan	50	21					
Huron	Carpenter	New York	Michigan	50	18	Fisherman	Canada	Canada	23	34
Ingham	Farmer	Ohio	Michigan	45	18	Farmer	Michigan	Michigan	28	40
Ionia	Farmer	Vermont	Michigan	74	26	Farmer	Michigan	Massachusetts	31	45
Iosco	Farmer	Canada	Canada	46	17	Laborer	New York	Michigan	24	32
Isabella	Farmer	England	Indiana	70	35					
Jackson	Retired	Connecticut	Michigan	69	21	Baker	Germany	Germany	37	60
Kalamazoo	Farmer	Pennsylvania	New York	56	20	Farmer	Michigan	Indiana	29	48
Kalkaska	Real Estate	Vermont	Pennsylvania	70	45	Farmer	New York	New York	34	53
Kent	Farmer	New York	Michigan	54	18	Farmer	New York	New Jersey	38	58
Lapeer	Farmer	Ireland	Michigan	57	20	Laborer	New York	Michigan	19	27
Leelanaw	Laborer	New York	Sweden	54	26	Farmer	Michigan	New York	30	40
Lenawee	Farmer	New York	Ohio	59	26	Farmer	New York	Michigan	32	42
Livingston	Farmer	England	Michigan	50	22	Farmer	Michigan	New York	27	37
Mackinac	Farmer	Canada	Michigan	32	16	Laborer	Michigan	New York	26	40
Macomb	Conductor	Vermont	Canada	40	17	Butcher	Germany	Germany	24	41
Manistee	Laborer	Germany	Germany	52	24	Laborer	Sweden	New York	23	37
Marquette	Mason	Germany	Poland	57	30	Explorer	New York	New York	28	39
Mason	Laborer	Canada	Michigan	40	18	Laborer	Denmark	New York	34	45
Mecosta	Mechanic	Canada	Maine	41	17	Farmer	Canada	Ohio	23	37
Menominee	Brick-layer	Maryland	Indiana	39	19	Miner	Germany	Germany	24	36
Midland	Laborer	Maine	Michigan	45	23					
Monroe	Farmer	Ohio	Ohio	62	21	Laborer	Michigan	Germany	26	46
Montcalm	Lumberman	Pennsylvania	Kentucky	64	42	Shoe-maker	England	Michigan	22	40
Muskegon	Saloon-keeper	Norway	Norway	47	17	Farmer	New York	England	30	50
Newaygo	Farmer	Canada	Michigan	32	16	Laborer	New York	Michigan	41	64
Oakland	Farmer	New York	England	49	28	Farmer	Ireland	Pennsylvania	37	48

TABLE XI.—CONTINUED.—*Marriages with great Disparity of Ages.*

COUNTIES.	BRIDEGROOM OLDEST,—1881.					BRIDE OLDEST,—1881.				
	OCCUPATION OF BRIDEGROOM.	BIRTHPLACE.		AGE.		OCCUPATION OF BRIDEGROOM.	BIRTHPLACE.		AGE.	
		Bridegroom.	Bride.	Bridegroom.	Bride.		Bridegroom.	Bride.	Bridegroom.	Bride.
Oceana	Merchant	New York	Unknown	46	21	Farmer	Ireland	Pennsylvania	54	64
Osceola	Peddler	Vermont	Indiana	40	16					
Otsego	Farmer	Pennsylvania	Michigan	46	18					
Ottawa	Unknown	Ohio	Ohio	48	18	Farmer	Michigan	Germany	27	47
Presque Isle						Farmer	Michigan	Germany	21	44
Saginaw	Carpenter	New Brunswick	New York	52	21	Laborer	Canada	Germany	24	35
Sanilac	Farmer	Ontario	Ontario	55	26	Farmer	Canada	Canada	45	60
St. Clair	Farmer	England	Canada	56	24	Farmer	Canada	New York	44	58
St. Joseph	Farmer	Pennsylvania	Michigan	68	24					
Tuscola	Farmer	Sweden	New York	42	18					
Van Buren	Wagon-maker	New York	Michigan	60	25	Painter	Michigan	New York	38	50
Washtenaw	Farmer	New York	Michigan	50	18	Laborer	Wisconsin	New York	22	36
Wayne	Fruit-Dealer	Italy	Germany	54	23	Confectioner	Canada	Michigan	24	38
Wexford	Drayman	Unknown	Ohio	58	33	Engineer	Michigan	New York	26	45

EXHIBIT D.—*Number of Inhabitants to One Marriage, as stated for Different Foreign Countries, the United States, and some of the States of the Union. The Statements for Michigan include only the Inhabitants of Counties Represented by Returns of Marriages.*

COUNTRY, STATE, OR CITY.	Year for which the Statement is made.	Inhabitants to one Marriage Annually.		COUNTRY, STATE, OR CITY.	Year for which the Statement is made.	Inhabitants to one Marriage Annually.
Austria	.....	117	Taken from "Statistics of Minnesota for 1869."	Massachusetts[d]	1871	95
Bavaria	.....	160		Massachusetts[d]	1872	95
Belgium	.....	122		Massachusetts[d]	1873	96
Denmark	.....	129		Massachusetts[d]	1874	103
England	.....	122		Massachusetts[d]	1875	121
Finland	.....	141		Massachusetts[d]	1876	129
France	.....	122		Massachusetts[d]	1877	130
Greece	.....	174		Massachusetts[d]	1878	129
Holland	.....	129		Massachusetts[d]	1879	124
Norway	.....	124		Massachusetts[d]	1880	114
Prussia	.....	106		Massachusetts[d]	1881	111
Russia	.....	111		Michigan[e f]	1872	117
Saxony	.....	107		Michigan[e f]	1873	109
Spain	.....	141		Michigan[e f]	1874	110
Sweden	.....	135		Michigan[e]	1874	109
United States	1860	123		Michigan[e f]	1875	117
New York	1860	135		Michigan[e f]	1876	121
Ohio	.....	105		Michigan[e f]	1877	125
Minnesota	1860	110		Michigan[e f]	1878	120
Minnesota	1868	107		Michigan[e f]	1879	115
Minnesota[a]	1870	116		Michigan[e]	1880	112
New Jersey[b]	1870	135		Michigan[e f]	1880	112
New York City[c]	1870	118		Michigan[e f]	1881	114
Massachusetts[d]	1870	99				

[a] Taken from Statistics of Minnesota for 1870.
[b] There were 16 Townships from which no returns of marriages were received. Computed from data in Registration Report of New Jersey for 1870.
[c] Computed from data in Report of Board of Health, of Health Department, for 1870.
[d] Taken from Registration Report of Massachusetts for 1881, page 36.
[e] Marriages corrected, for additional returns, up to February 9, 1883
[f] Population estimated from Censuses of 1870 and 1880.

TABLE XII.—*Exhibiting, for the State and Counties, the Number of Marriages in Michigan during each of the Years 1875 to 1881, inclusive, Returned previous to May 11, 1883; for the Years 1878, 1879, and 1880, the Number as first Returned, and the Number Returned since Compilation; the Number of Inhabitants in 1880; the Number of Inhabitants in 1880 to One Marriage in 1881; and the Per Cent. of Marriages in 1881 to Inhabitants in 1880.*

STATE AND COUNTIES.	MARRIAGES.													Population, 1880, Represented by Marriages in 1881.	Number of Inhabitants in 1880 to one Marriage in 1881.	Per Cent. of Marriages in 1881 to Population in 1880.
	1875.	1876.	1877.	1878.			1879.			1880.			1881.			
	Number Returned previous to Feb. 8, 1883.	Number Returned previous to Feb. 8, 1883.	Number Returned previous to Feb. 8, 1883.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Feb. 8, 1883.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Feb. 8, 1883.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Feb. 8, 1883.	Number Returned.			
STATE	11,860	11,893	11,844	12,221	608	12,829	13,225	591	13,816	14,149	511	14,660	14,847	1,636,882	110	.91
Alcona	13	6	9	6	.....	6	19	.....	19	12	1	13	14	3,107	222	.45
Allegan	299	306	273	275	13	288	315	8	323	358	1	359	372	37,815	102	.98
Alpena	51	47	44	54	2	56	53	12	65	60	2	62	100	8,789	88	1.14
Antrim	13	25	23	32	2	34	45	1	46	39	.....	39	36	5,237	145	.69
Baraga	10	11	7	7	.....	7	9	.....	9	13	.....	13	16	1,804	113	.89
Barry	190	207	214	212	2	214	246	3	249	232	3	235	199	25,317	127	.79
Bay	202	190	174	246	11	257	159	11	170	217	13	230	302	38,081	126	.79
Benzie	34	32	22	21	.....	21	31	.....	31	33	.....	33	43	3,433	80	1.25
Berrien	390	489	371	422	16	438	486	14	500	458	20	478	562	36,785	65	1.53
Branch	309	288	286	310	7	317	311	8	319	284	25	309	251	27,941	111	.90
Calhoun	348	283	297	321	12	333	330	7	337	354	3	357	329	38,452	117	.86
Cass	195	217	181	202	11	213	232	5	237	220	7	227	251	22,009	88	1.14
Charlevoix	21	25	31	29	3	32	34	2	36	25	.....	25	54	5,115	95	1.06
Cheboygan	16	23	45	40	3	43	41	1	42	56	5	61	73	6,524	89	1.12

Chippewa	12	11	23	12	.....	12	19	.....	19	20	2	22	52	5,248	101	.99
Clare	19	7	13	16	.....	16	27	.....	27	39	.....	39	42	4,187	100	1.00
Clinton	198	205	187	228	2	230	220	3	232	244	.....	244	236	28,100	119	.84
Crawford	.....	.....	.....	.....	.....	.....	2	.....	2	13	.....	13	11	1,159	105	.95
Delta	22	27	44	43	.....	43	60	.....	60	68	.....	68	72	6,812	95	1.06
Eaton	271	274	298	266	8	274	275	5	280	266	.....	266	240	31,225	130	.77
Emmet	14	22	30	55	.....	55	38	2	40	51	.....	51	64	6,639	104	.96
Genesee	342	356	364	391	7	398	366	35	401	334	4	338	329	39,220	119	.84
Gladwin	2	.....	4	4	.....	4	3	1	4	4	.....	4	4	1,127	282	.35
Grand Traverse	60	63	45	52	.....	52	77	5	82	73	10	83	59	8,422	143	.70
Gratiot	142	118	137	133	6	139	177	2	179	191	1	192	197	21,936	111	.90
Hillsdale	385	372	337	371	25	396	380	8	388	395	8	403	346	32,723	95	1.06
Houghton	136	152	188	159	5	164	170	.....	170	169	.....	169	196	22,473	115	.87
Huron	112	129	109	120	.....	120	138	4	142	134	.....	134	134	20,089	150	.67
Ingham	346	291	313	395	5	400	326	3	329	331	9	340	294	33,676	114	.87
Ionia	273	286	268	276	25	301	339	7	346	318	21	339	298	33,872	114	.88
Iosco	22	17	40	46	.....	46	48	.....	48	86	4	90	110	6,873	62	1.60
Isabella	52	56	49	56	.....	56	70	1	71	94	2	96	99	12,159	123	.81
Isle Royal[a]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	357	364	401	358	12	370	390	6	396	359	16	375	421	42,031	100	1.00
Kalamazoo	312	266	255	302	32	334	250	61	311	265	57	322	276	34,342	124	.80
Kalkaska	7	11	16	30	.....	30	16	1	17	35	1	36	31	2,937	95	1.06
Kent	657	611	553	579	20	599	632	19	651	618	13	631	646	73,253	113	.88
Keweenaw	33	40	27	26	.....	26	7	2	9	27	2	29	31	4,270	138	.73
Lake	14	12	13	16	.....	16	24	.....	24	16	.....	16	21	3,283	154	.65
Lapeer	197	197	195	229	8	237	258	5	263	247	11	258	249	30,138	121	.83

[a] No returns of marriages from county clerk.

TABLE XII.—CONTINUED.—*Marriages Corrected by Counties.*

COUNTIES.	MARRIAGES.													Population, 1880, Represented by Marriages in 1881.	Number of Inhabitants in 1880 to one Marriage in 1881.	Per Cent. of Marriages in 1881 to Population in 1880.
	1875.	1876.	1877.	1878.			1879.			1880.			1881.			
	Number Returned previous to Feb. 8, 1883.	Number Returned previous to Feb. 8, 1883.	Number Returned previous to Feb. 8, 1883.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Feb. 8, 1883.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Feb. 8, 1883.	Number as first Returned and Compiled.	Number Re. turned since first Compilation.	Number Returned previous to Feb. 8, 1883.	Number Returned.			
Leelanaw	33	35	46	27	.....	27	33	2	35	28	1	29	46	6,253	136	.74
Lenawee	456	429	430	408	56	464	425	50	475	436	45	481	509	48,343	95	1.05
Livingston	157	145	158	135	4	139	146	14	160	151	14	165	166	22,251	134	.75
Mackinac	13	11	17	25	.....	25	18	.....	18	23	.....	23	38	2,902	76	1.31
Macomb	208	235	228	233	7	240	229	1	230	252	4	256	241	31,627	131	.76
Manistee	71	76	60	75	8	83	85	6	91	101	23	124	113	12,532	111	.90
Manitou	.....	.....	6	11	.....	11	5	.....	5	7	.....	7	6	1,334	222	.45
Marquette	140	108	119	96	21	117	120	10	130	157	8	165	205	25,394	124	.81
Mason	52	53	62	71	.....	71	86	1	87	107	.....	107	101	10,065	100	1.00
Mecosta	83	90	97	102	1	103	103	4	107	125	.....	125	143	13,973	98	1.02
Menominee	29	29	32	35	1	36	53	.....	53	120	3	123	158	11,987	76	1.32
Midland	39	23	41	54	.....	54	43	5	48	50	.....	50	59	6,893	117	.86
Missaukee	5	3	7	6	.....	6	2	2	4	13	.....	13	8	1,558	194	.52
Monroe	308	311	334	305	15	320	366	18	384	314	13	327	345	33,624	97	1.03
Montcalm	202	204	214	233	5	238	244	14	258	289	3	292	236	33,148	140	.71
Montmorency	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	*	.....	.....
Muskegon	157	177	147	161	4	165	203	28	231	290	.....	290	324	26,586	82	1.22
Newaygo	87	78	97	76	11	87	103	3	106	132	1	133	112	14,688	131	.76

Oakland	342	344	342	301	20	321	304	27	331	286	10	296	307	41,537	135	.74
Oceana	69	68	75	81	.....	81	85	.....	85	111	.....	111	97	11,699	121	.83
Ogemaw	.....	6	2	3	.....	3	.....	4	4	6	.....	6	14	1,914	137	.73
Ontonagon	12	13	12	10	1	11	9	.....	9	14	.....	14	15	2,565	171	.58
Osceola	37	47	79	75	1	76	94	.....	94	117	3	120	125	10,777	86	1.16
Oscoda	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	467	156	.64
Otsego	4	13	5	7	1	8	7	2	9	23	.....	23	20	1,974	99	1.01
Ottawa	240	246	241	216	5	221	244	9	253	270	11	281	317	33,126	104	.96
Presque Isle	3	5	.....	4	.....	4	4	8	12	9	1	10	33	3,113	94	1.06
Roscommon	4	.....	2	3	1	4	17	.....	17	10	.....	10	13	1,459	112	.89
Saginaw	363	391	360	371	31	402	450	42	492	485	20	505	570	59,095	104	.96
Sanilac	133	118	135	152	1	153	147	2	149	124	26	150	125	26,341	211	.47
Schoolcraft	5	5	10	9	.....	9	7	.....	7	7	.....	7	6	1,575	263	.38
Shiawassee	167	186	196	165	9	174	154	9	163	200	5	205	206	27,059	131	.73
St. Clair	350	349	330	299	22	321	384	22	406	376	27	403	369	46,197	125	.80
St. Joseph	307	305	338	314	28	342	277	29	306	325	11	336	364	26,626	73	1.37
Tuscola	141	148	163	189	3	192	212	4	216	195	5	200	199	25,738	129	.77
Van Buren	228	245	249	268	18	286	246	10	256	234	19	253	249	30,807	124	.81
Washtenaw	275	275	293	266	10	276	319	4	323	322	.....	322	322	41,848	130	.77
Wayne	999	1,085	989	1,049	87	1,136	1,308	18	1,326	1,599	17	1,616	1,555	166,444	107	.93
Wexford	30	51	43	46	.....	46	61	1	62	53	.....	53	67	6,915	102	.98

a The population of Montmorency County is included in the population of Alpena County and cannot be ascertained.

DEATHS, 1881.

For the year 1881 the number of deaths returned to the State Department was 19,238, being 3,136 more than was returned for any previous year. The population, according to the United States Census of 1880, represented by the returns of deaths was 1,621,927, and the ratio of deaths to population was 11.9 to 1,000.

Although the number of deaths returned would be greater with an increase in the number of inhabitants, it is probable that the registration for the year 1881 is nearer correct than any preceding year.

Corrected for omissions, the number of deaths occurring in 1881 is estimated at 27,387, and the death-rate 16.9 to 1,000 inhabitants. Even this ratio bears a suspicion of being somewhat less than the probable true ratio, and teaches us that, with our present system of registration, the greatest possible value to be derived from the data collected must pertain, not to the study of ratio of deaths to population, but to that of causes of deaths to each other, of births to deaths, the numbers being sufficiently great to make such study profitable. Also the relation of deaths, especially where the number returned is considerable, to meteorological conditions, to seasons, and to the social circumstances of communities.

The average number of deaths for certain specified periods of time, as returned and as corrected for omissions in enumerating, including those in unknown month, is as follows:

PERIODS OF TIME.	Deaths as Returned.	Corrected as per Exhibit C, 4th line.
Per quarter	4,809.50	6,830.25
Per month	1,603.17	2,276.75
Per week	369.96	525.40
Per day	52.71	74.85

THE DEATH-RATE IN MICHIGAN.

The following tabular statement shows the death-rate in Michigan, both as regards the number of deaths returned, and the number as corrected for omissions in the enumeration. It is worthy of careful study:

	Inhabitants in 1880 Represented by Deaths in 1881.	Deaths as Returned.	Deaths Corrected for Omissions in Enumerating.	Per Cent. of Deaths to Inhabitants.	
				Deaths as Returned.	Deaths Corrected for Omissions.
Total.....	1,621,927	19,238	27,387	1.19	1.69

Turning to Table I. an opportunity is given to compare the relative mortality of the different seasons for a series of years. The greatest number of deaths is shown to have occurred in that quarter of the year ending with September in each of the years represented. The Registration Reports for the same years, for the State of Massachusetts, also show the greatest mortality to have occurred in the same quarter. A much less variation in the per cent. of deaths for other seasons is represented in both States.

TABLE I.—*Deaths in Michigan by Quarters of the Year, Exhibiting the Number and Per Cent. of Total as Returned for each of the Years 1876 to 1881, inclusive.*

TOTALS, AND MONTHS WITH WHICH QUARTERS END.	1876.		1877.		1878.		1879.		1880.		1881.	
	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
Totals.....	12,576	100.00	12,919	100.00	12,766	100.00	14,407	100.00	16,102	100.00	19,238	100.00
As Returned. March....	2,460	19.56	2,599	20.12	2,449	19.18	3,009	20.89	3,011	18.70	3,458	17.96
June.....	2,803	22.29	2,829	21.90	2,822	22.10	3,159	21.93	3,491	21.68	4,160	21.62
Sept.....	4,009	31.88	3,999	30.95	3,731	29.23	4,123	28.62	4,983	30.95	6,248	32.48
Dec.....	3,273	26.02	3,436	26.60	3,740	29.30	4,075	28.28	4,574	28.40	5,306	27.58
Unknown	31	.25	56	.43	24	.19	41	.28	43	.27	66	.34
Average.....	3,144.00	25.00	3,229.75	25.00	3,191.50	25.00	3,601.75	25.00	4,025.50	25.00	4,809.50	25.00
Totals.....	18,389	100.00	18,341	100.00	18,866	100.00	20,583	100.00	28,256	100.00	27,387	100.00
As Corrected for Omissions. March..	4,153	22.58	4,227	23.05	4,217	22.35	4,933	23.97	5,677	22.38	5,679	20.74
June....	4,364	23.73	4,259	23.22	4,468	23.68	4,793	23.28	6,183	23.55	6,314	23.05
Sept.....	5,661	30.78	5,495	29.96	5,340	28.30	5,703	27.71	7,837	29.85	8,642	31.56
Dec.....	4,180	22.73	4,304	23.47	4,817	25.53	5,113	24.84	6,316	24.06	6,686	24.41
Unk.....	31	.17	56	.30	24	.13	41	.20	43	.16	66	.24
Average.....a	4,597	25.00	4,583	25.00	4,717	25.00	5,146	25.00	2,188	25.00	6,847	25.00

a Including deaths in unknown month.

TABLE II.—*Deaths Returned as having occurred in Michigan, by Months, Exhibiting the Number and Per Cent. of Total for each of the Years 1876, 1877, 1878, 1879, 1880, and 1881, the months arranged in order by Number of Deaths, those having the Greatest Number first.*

Order.	1876.			1877.			1878.			1879.			1880.			1881.		
	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.
	Year...	12,576	100.00	Year...	12,919	100.00	Year....	12,766	100.00	Year...	14,407	100.00	Year...	16,102	100.00	Year...	19,238	100.00
1	Aug...	1,507	11.98	Aug...	1,559	12.07	Aug....	1,371	10.74	Aug....	1,537	10.67	Aug...	1,780	11.05	Sept...	2,301	11.96
2	Sept...	1,423	11.32	Sept...	1,400	10.84	Dec....	1,369	10.72	Dec....	1,521	10.56	Sept...	1,676	10.41	Aug....	2,246	11.67
3	Dec....	1,153	9.17	Oct....	1,221	9.45	Sept....	1,343	10.52	Sept...	1,403	9.74	Dec....	1,617	10.04	Oct....	1,941	10.09
4	Oct....	1,131	8.99	Dec....	1,155	8.94	Oct....	1,190	9.32	Oct....	1,286	8.93	July...	1,527	9.48	Dec....	1,748	9.09
5	July...	1,079	8.58	Nov....	1,060	8.20	Nov....	1,181	9.25	Nov....	1,268	8.80	Nov....	1,486	9.23	July...	1,701	8.84
6	Nov....	989	7.86	July...	1,040	8.05	April..	1,029	8.06	July...	1,183	8.21	Oct....	1,471	9.14	Nov....	1,617	8.41
7	April..	978	7.78	Mar....	990	7.66	July...	1,017	7.97	April..	1,174	8.15	April..	1,289	8.01	May...	1,457	7.57
8	Mar....	975	7.75	April..	978	7.57	Mar....	930	7.28	Mar....	1,114	7.73	May...	1,166	7.24	April..	1,427	7.42
9	May...	970	7.71	May...	976	7.55	May...	923	7.23	May...	1,083	7.52	Mar....	1,149	7.14	Mar....	1,315	6.84
10	June..	855	6.80	June...	875	6.77	June..	870	6.82	Feb....	992	6.88	June..	1,036	6.43	June..	1,276	6.63
11	Feb....	800	6.36	Feb....	843	6.53	Feb....	789	6.18	Jan....	903	6.27	Feb....	1,002	6.22	Feb....	1,078	5.60
12	Jan....	685	5.45	Jan....	766	5.93	Jan....	730	5.72	June..	902	6.26	Jan....	860	5.34	Jan....	1,065	5.54
	Unk...	31	.25	Unk...	56	.43	Unk....	24	.19	Unk...	41	.28	Unk...	43	.27	Unk...	66	.34
	Av.....	1,048.00	8.33	Av.....	1,076.58	8.33	Av.....	1,063.83	8.33	Av.....	1,200.58	8.33	Av.....	1,341.83	8.33	Av.....	1,603	8.33

The monthly mortality and the influence of seasons upon mortality may be further studied in Table II. Of the first quarter of the year, the mortality in Michigan was greatest in March; of the second, in May; of the third, in September; and of the fourth, in October.

Table II. also shows when the monthly mortality was greater than the average.

Table III. shows the death-rate of the males as compared with that of the females in Michigan. During the year, 115 males died to 100 females. We must consider, however, that the male population is somewhat in excess of the female in Michigan. Nevertheless, this does not entirely account for the difference of mortality between the two sexes. The greatest excess of deaths among the males occurred in the month of March, and the least in May.

TABLE III.—*Number and Per Cent. of Deaths of Males and of Females in Michigan in 1881, from all Causes, as Returned, by Months.* (*Unknown sex excluded.*)

YEAR AND MONTHS, 1881.	Deaths as Returned, 1881.		Per Cent. of each Sex to Total of both Sexes.				Males to 100 Females.
	Males.	Females.	Males.	Females.	Excess of the Sexes.		
					Males.	Females.	
Year 1881	10,263	8,910	53.53	46.47	7.06	.....	115
January	552	508	52.08	47.92	4.16	.....	109
February	562	509	52.47	47.53	4.94	.....	110
March	782	580	55.79	44.21	11.58	.....	126
April	803	624	56.27	43.73	12.54	.....	129
May	737	714	50.79	49.21	1.58	.....	103
June	673	598	52.95	47.05	5.90	.....	113
July	921	771	54.43	45.57	8.86	.....	119
August	1,128	1,038	53.58	46.42	7.16	.....	115
September	1,226	1,071	53.37	46.63	6.74	.....	114
October	997	943	51.39	48.61	2.78	.....	106
November	893	717	55.52	44.48	11.04	.....	125
December	927	811	53.34	46.66	6.68	.....	114
Unknown	40	26	60.61	39.39	21.22	.....	154

In Exhibit A the numbers are equalized for months of uniform length, so that, in studying the relations of the months as regards the number of deaths, no allowance need be made for different lengths of the months.

EXHIBIT A.—*By Sex, the Number of Deaths Returned as having occurred in Michigan during the Year 1881, by Months Equalized to 30.44 days each;—Number of Deaths in each Month; Per Cent. of Deaths in each Month to Total Deaths during the Year; and Per Cent. and Excess of Per Cent. of Deaths of each Sex to Total of both Sexes.*

YEAR AND MONTHS, 1881.	Number of Deaths, in 1881, as Returned, Equalized.				Per Ct. of Deaths in each Month to Total during the Year.				Per Ct. of each Sex to Total of Both Sexes, Unknown Sex Excluded.			
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.	Males.	Females.	Excess. Males.	Excess. Females.
Year, 1881.	[a] 19,222	10,255	8,902	65	100.00	100.00	100.00	100.00	53.53	46.47	7.06	.....
January	1,046	542	499	5	5.44	5.29	5.61	7.69	52.07	47.93	4.14	.....
February	1,171	611	553	7	6.09	5.96	6.21	10.77	52.49	47.51	4.98	.....
March	1,292	719	570	3	6.72	7.01	6.40	4.62	55.78	44.22	11.56	.....
April	1,448	815	633	.....	7.53	7.95	7.11	.....	56.28	43.72	12.56	.....
May	1,431	724	701	6	7.44	7.06	7.87	9.23	50.81	49.19	1.62	.....
June	1,295	683	607	5	6.74	6.66	6.82	7.69	52.95	47.05	5.90	.....
July	1,670	904	757	9	8.69	8.82	8.50	13.85	54.43	45.57	8.86	.....
August	2,205	1,176	1,019	10	11.47	11.47	11.45	15.38	53.58	46.42	7.16	.....
September	2,335	1,244	1,087	4	12.15	12.13	12.21	6.15	53.37	46.63	6.74	.....
October	1,906	979	926	1	9.92	9.55	10.40	1.54	51.39	48.61	2.78	.....
November	1,641	905	728	5	8.54	8.85	8.18	7.69	55.50	44.50	11.00	.....
December	1,716	910	796	10	8.93	8.87	8.94	15.38	53.34	46.66	6.68	.....
Unknown	66	40	26	.....	.34	.39	.29	.....	60.61	39.39	21.22	.....
Average [b]	1,596	851	740	5	8.33	8.33	8.33	8.33	.....	.....	.....	.....

[a] Sixteen—8 males and 8 females—lost in equalization.
[b] Unknown month excluded.

Exhibit B may be studied with profit in connection with tables I. and II. and Exhibit A.

EXHIBIT B.—*Months arranged in Order by Number of Deaths—those having the greatest Number first,—in Michigan for each of the Years 1878 to 1881, inclusive, as per Registration Returns, and for each of the Years 1879, 1880, and 1881, Corrected for Omissions in Enumerating; in Massachusetts for each of the Years 1879, 1880, and 1881; also, in Rhode Island for each of the Years 1879, 1880, and 1881.*

ORDER.	Michigan, as per Registration Returns, Including Still-births.				Michigan, Corrected for Omissions in Enumerating, Including Still-births.			Massachusetts, Including Still-births.			Rhode Island Excluding Still-births.		
	1878.	1879.	1880.	1881.	1879.	1880.	1881.	1879.	1880.	1881.	1879.	1880.	1881.
1	Aug.	Aug.	Aug.	Sept.	Aug.	Aug.	Aug.	Jan.	Aug.	Aug.	Jan.	July.	Aug.
2	Dec.	Dec.	Sept.	Aug.	Sept.	Sept.	Sept.	Aug.	July.	Sept.	Aug.	Aug.	Jan.
3	Sept.	Sept.	Dec.	Oct.	Dec.	July.	Oct.	Mar.	Sept.	April	Dec.	Mar.	July.
4	Oct.	Oct.	July.	Dec.	Apr.	Apr.	July.	Apr.	Dec.	Mar.	Oct.	Jan.	Oct.
5	Nov.	Nov.	Nov.	July.	Mar.	Mar.	Apr.	July.	Mar.	Oct.	Nov.	Oct.	Apr.
6	Apr.	July.	Oct.	Nov.	July.	Dec.	May.	Feb.	Apr.	Jan.	July.	Apr.	Sept.
7	July.	Apr.	Apr.	May.	Oct.	Oct.	Dec.	Dec.	Oct.	July.	Mar.	May.	May.
8	Mar.	Mar.	May.	Apr.	May.	May.	Mar.	May.	May.	Dec.	Apr.	Sept.	Mar.
9	May.	May.	Mar.	Mar.	Feb.	Nov.	Nov.	Sept.	Nov.	Feb.	Sept.	Dec.	Feb.
10	J'ne.	Feb.	J'ne.	J'ne.	Nov.	Feb.	J'ne.	Oct.	Jan.	May.	Feb.	Feb.	Dec.
11	Feb.	Jan.	Feb.	Feb.	Jan.	J'ne.	Jan.	Nov.	Feb.	Nov.	May.	Nov.	Nov.
12	Jan.	J'ne.	Jan.	Jan.	J'ne.	Jan.	Feb.	J'ne.	J'ne.	J'ne.	J'ne.	J'ne.	J'ne.

OMISSIONS IN THE ENUMERATION OF DEATHS.

The method of correcting the returns for omissions has been amply explained in preceding reports. Exhibits C and E, contain details of the work, and some of the resulting statements.

EXHIBIT C.—*Deaths in Michigan during the Year 1881, as Returned; as Corrected for Omissions in Enumerating, the same Equalized for Increase of Population during the Year covered by the Returns, and the Deaths as thus Corrected and Equalized for the several Months, Equalized for Months of a uniform length of 30.44 days; also, indicating some of the steps by which these results have been reached.*

	Totals	Months, 1881.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Deaths as returned by Registration Officers	[a] 19,172	1,065	1,078	1,315	1,427	1,457	1,276	1,701	2,246	2,301	1,941	1,617	1,748
Per cent. of deaths to be added for correction for time elapsing before enumeration	.....	68.84	64.54	60.24	55.94	51.64	47.34	43.04	38.74	34.44	30.14	25.84	21.54
Number of deaths to be added for above correction	8,149	733	696	792	798	752	604	732	870	792	585	418	377
Deaths, if enumerated in months of occurrence	27,321	1,798	1,774	2,107	2,225	2,209	1,880	2,433	3,116	3,093	2,526	2,035	2,125
Per cent. of deaths to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Deaths to be added to equalize them to population at close of year	594	76	68	74	70	62	46	51	55	44	27	14	7
Deaths, as corrected, equalized to population at close of year	27,915	1,874	1,842	2,181	2,295	2,271	1,926	2,484	3,171	3,137	2,553	2,049	2,132
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number by which the deaths should be increased or diminished to equalize them to months of uniform length	—2	—34	+ 161	—39	+ 34	—41	+ 28	—45	—57	+ 46	—46	+ 30	—39
Deaths, corrected and equalized, equalized to months of uniform length	27,913	1,840	2,003	2,142	2,329	2,230	1,954	2,439	3,114	3,183	2,507	2,079	2,093

[a] Excluding 66 in unknown month.

Exhibit D represents the months in order, those having the greatest number of deaths first, according to corrections for omissions in enumeration, for each of the years 1878–1881. The number of deaths and per cent. of the total, is also given, together with the average number and per cent. This exhibit may likewise be compared with Table II.

EXHIBIT D.—*Deaths during the Years 1878 to 1881, inclusive, as Corrected for Omissions in the Enumeration, Exhibiting the Number and Per Cent. of Total, by Months arranged in Order by Number, Months having the greatest number first.*

Order.	1878.			1879.			1880.			1881.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total...	18,866	100.00	Total...	20,583	100.00	Total...	26,256	100.00	Total..	27,387	100.00
1	Aug.....	1,968	10.43	Aug.....	2,129	10.34	Aug.....	2,803	10.68	Aug....	3,116	11.38
2	Sept.....	1,863	9.87	Sept.....	1,884	9.15	Sept.....	2,532	9.64	Sept...	3,093	11.29
3	Dec.....	1,700	9.01	Dec.....	1,847	8.97	July.....	2,502	9.53	Oct....	2,526	9.22
4	Apr.....	1,676	8.88	Apr.....	1,827	8.88	Apr.....	2,359	8.98	July...	2,433	8.88
5	Oct.....	1,593	8.44	Mar.....	1,782	8.66	Mar.....	2,176	8.29	Apr....	2,225	8.12
6	Mar.....	1,560	8.27	July.....	1,690	8.21	Dec.....	2,133	8.12	May...	2,209	8.07
7	Nov.....	1,524	8.08	Oct.....	1,672	8.12	Oct.....	2,128	8.10	Dec....	2,125	7.76
8	July.....	1,509	8.00	May.....	1,639	7.96	May.....	2,060	7.85	Mar....	2,107	7.69
9	May.....	1,459	7.73	Feb.....	1,629	7.92	Nov.....	2,055	7.83	Nov....	2,035	7.43
10	Feb.....	1,362	7.22	Nov.....	1,594	7.74	Feb.....	1,962	7.47	June..	1,880	6.87
11	June....	1,333	7.07	Jan.....	1,522	7.40	June....	1,764	6.72	Jan....	1,798	6.57
12	Jan.....	1,295	6.86	June....	1,327	6.45	Jan.....	1,739	6.62	Feb....	1,774	6.48
	Unk.....	24	.13	Unk.....	41	.20	Unk.....	43	.16	Unk...	66	.24
	Av.....[a]	1,572	8.33	Av.....[a]	1,715	8.33	Av.....[a]	2,188	8.33	Av....[a]	2,282	8.33

[a] Including deaths in unknown month.

EXHIBIT E.—*Deaths in Michigan during the Year 1881, as Returned, as Corrected for Omissions in Enumerating, and as thus Corrected, Equalized to Months of uniform length of 30.44 days each.*

	Total.	Months, 1881.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Deaths as returned by Registration Officers	[a] 19,172	1,065	1,078	1,315	1,427	1,457	1,276	1,701	2,246	2,301	1,941	1,617	1,748
Per cent. of deaths to be added for correction for time elapsing before enumeration	.....	68.84	64.54	60.24	55.94	51.64	47.34	43.04	38.74	34.44	30.14	25.84	21.54
Number of deaths to be added for above correction	8,149	733	696	792	798	752	604	732	870	792	585	418	377
Deaths, if enumerated in month of occurrence	27,321	1,798	1,774	2,107	2,225	2,209	1,880	2,433	3,116	3,093	2,526	2,035	2,125
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number by which the deaths should be increased or diminished to equalize them to months of uniform length	—3	—32	+155	—38	+33	—40	+28	—44	—56	+45	—46	+30	—38
Deaths, corrected and equalized to months of uniform length	27,318	1,766	1,929	2,069	2,258	2,169	1,908	2,389	3,060	3,138	2,480	2,065	2,087

[a] Excluding 66 in unknown month.

AGES OF PERSONS WHO DIED IN MICHIGAN IN 1881.

Table IV. shows the number and per cent. of deaths in Michigan in 1881, according to age and sex. Of the deaths at all ages, there were about 7 per cent. more males than females. Under five years of age the per cent. of deaths was considerably greater among the males. Between the ages of five and twenty-five years there was an excess of deaths among the females, being greatest between the ages of fifteen and twenty years, a fact that has considerable significance. The greatest number of deaths occurred among infants under one year of age. Further details upon this subject are shown in Exhibit F. The number and per cent. of deaths at different periods of life that occurred during each month in 1881 are shown in Exhibit G,

TABLE IV.—*Exhibiting, by Sex, and by Age in Periods of Years, the Number and Proportion of Persons Returned as having Died in Michigan during the Year 1881; also the Excess of Persons of each Sex.*

AGES IN YEARS AND PERIODS.	Number of Deaths, 1881.				Per Ct. of Deaths at Each Age to Total at All Ages.			Per Ct. of Each Sex to Total of Both Sexes.				Excess of the Sexes by Number.		Males to 100 Females
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Males.	Females.	Excess. Males.	Excess. Females.	Males.	Females.	
All Ages...	19,238	10,263	8,910	65	100.00	100.00	100.00	53.53	46.47	7.06	.....	1,353	.....	115.19
Under 1....	4,635	2,586	2,013	56	24.20	25.20	22.59	56.23	43.77	12.46	.....	573	.....	128.46
1 to 2.....	1,372	756	615	1	7.13	7.37	6.90	55.14	44.86	10.28	.....	141	.....	122.93
2 to 3.....	781	407	373	1	4.06	3.97	4.19	52.18	47.82	4.36	.....	34	.....	109.11
3 to 4.....	572	314	257	1	2.97	3.06	2.88	54.99	45.01	9.98	.....	57	.....	122.18
4 to 5.....	436	233	203	.....	2.27	2.27	2.28	53.44	46.56	6.88	.....	30	.....	114.58
Under 5....	7,816	4,296	3,461	59	40.63	41.86	38.84	55.38	44.62	10.76	.....	835	.....	124.13
5 to 10.....	1,476	732	744	.....	7.67	7.13	8.35	49.59	50.41	.....	.82	.....	12	98.39
10 to 15.....	822	400	422	.....	4.27	3.90	4.74	48.66	51.34	.....	2.68	.....	22	94.78
15 to 20.....	827	379	448	.....	4.30	3.69	5.03	45.83	54.17	.....	8.34	.....	69	84.60
20 to 25.....	968	483	485	.....	5.03	4.71	5.44	49.90	50.10	.....	.20	.....	2	99.59
25 to 30.....	763	391	372	.....	3.97	3.81	4.18	51.25	48.75	2.50	.....	19	.....	105.11
30 to 35.....	616	289	327	.....	3.20	2.82	3.67	46.92	53.08	.....	6.16	.....	38	88.38
35 to 40.....	560	272	288	.....	2.91	2.65	3.23	48.57	51.43	.....	2.86	.....	16	94.44
40 to 45.....	512	257	255	.....	2.66	2.50	2.86	50.20	49.80	.40	.....	2	.....	100.78
45 to 50.....	492	254	238	.....	2.56	2.47	2.67	51.63	48.37	3.26	.....	16	.....	106.72
50 to 55.....	508	299	209	.....	2.64	2.91	2.35	58.86	41.14	17.72	.....	90	.....	143.06
55 to 60.....	509	273	236	.....	2.65	2.66	2.65	53.63	46.37	7.26	.....	37	.....	115.68
60 to 65.....	574	321	253	.....	2.98	3.13	2.84	55.92	44.08	11.84	.....	68	.....	126.88
65 to 70.....	562	330	232	.....	2.92	3.22	2.60	58.72	41.28	17.44	.....	98	.....	142.24
70 to 75.....	649	390	259	.....	3.37	3.80	2.91	60.09	39.91	20.18	.....	131	.....	150.58
75 to 80.....	581	330	251	.....	3.02	3.22	2.82	56.80	43.20	13.60	.....	79	.....	131.47
80 to 85.....	430	245	185	.....	2.24	2.39	2.08	56.98	43.02	13.96	.....	60	.....	132.43
85 to 90.....	193	108	85	.....	1.00	1.05	.95	55.96	44.04	11.82	.....	23	.....	127.06
90 to 95.....	69	38	31	.....	.36	.37	.34	55.07	44.93	10.14	.....	7	.....	122.58
95 to 100....	18	9	9	.....	.09	.09	.10	50.00	50.00	.....	.....	.....	.....	100.00
100 and over	8	4	4	.....	.04	.04	.04	50.00	50.00	.....	.....	.....	.....	100.00
Unk. Ages.	285	163	116	6	1.48	1.59	1.30	58.42	41.58	16.84	.....	47	.....	140.52

EXHIBIT F.—*Deaths Returned as having occurred in Michigan in 1881, by Sex, and Excess of the Sexes, by Age in Years.*

AGE IN YEARS.	Decedents, 1881.				Excess.		AGE IN YEARS.	Decedents, 1881.				Excess.	
	Total.	Males.	Females.	Unk.	Males.	Females.		Total.	Males.	Females.	Unk.	Males.	Females.
All Ages	19,238	10,263	8,910	65	1,353	.....	35	132	67	65	.....	2	.....
							36	125	60	65	.....	.....	5
Under 1	4,655	2,586	2,013	56	573	.....	37	116	59	57	.....	2	.....
1	1,372	756	615	1	141	.....	38	99	43	56	.....	.....	13
2	781	407	373	1	34	.....	39	88	43	45	.....	.....	2
3	572	314	257	1	57	.....	40	130	63	67	.....	.....	4
4	436	233	203	.....	30	.....	41	98	54	44	.....	10	.....
5	398	196	202	.....	.....	6	42	114	54	60	.....	.....	6
6	303	143	160	.....	.....	17	43	90	49	41	.....	8	.....
7	309	158	151	.....	7	.....	44	80	37	43	.....	.....	6
8	249	128	121	.....	7	.....	45	118	66	52	.....	14	.....
9	217	107	110	.....	.....	3	46	80	44	36	.....	8	.....
10	177	83	94	.....	.....	11	47	97	44	53	.....	.....	9
11	180	93	87	.....	6	.....	48	102	46	56	.....	.....	10
12	157	84	73	.....	11	.....	49	95	54	41	.....	13	.....
13	150	70	80	.....	.....	10	50	107	60	47	.....	13	.....
14	158	70	88	.....	.....	18	51	83	50	33	.....	17	.....
15	117	47	70	.....	.....	23	52	107	63	44	.....	19	.....
16	168	65	103	.....	.....	38	53	103	67	36	.....	31	.....
17	159	72	87	.....	.....	15	54	108	59	49	.....	10	.....
18	165	86	79	.....	7	.....	55	99	53	46	.....	7	.....
19	218	109	109	.....	.....	.....	56	98	47	51	.....	.....	4
20	199	97	102	.....	.....	5	57	97	54	43	.....	11	.....
21	179	85	94	.....	.....	9	58	111	61	50	.....	11	.....
22	212	107	105	.....	2	.....	59	104	58	46	.....	12	.....
23	154	89	65	.....	24	.....	60	136	79	57	.....	22	.....
24	224	105	119	.....	.....	14	61	101	62	39	.....	23	.....
25	166	92	74	.....	18	.....	62	132	68	64	.....	4	.....
26	155	80	75	.....	5	.....	63	123	64	59	.....	5	.....
27	149	73	76	.....	.....	3	64	82	48	34	.....	14	.....
28	170	87	83	.....	4	.....	65	116	73	43	.....	30	.....
29	123	59	64	.....	.....	5	66	102	60	42	.....	18	.....
30	144	82	62	.....	20	.....	67	112	66	46	.....	20	.....
31	108	49	59	.....	.....	10	68	117	65	52	.....	13	.....
32	120	57	63	.....	.....	6	69	115	66	49	.....	17	.....
33	126	57	69	.....	.....	12	70	146	97	49	.....	48	.....
34	118	44	74	.....	.....	30	71	112	63	49	.....	14	.....

EXHIBIT F.—CONTINUED.—*Deaths by Ages in Michigan in 1881.*

AGE IN YEARS.	DECEDENTS, 1881.				EXCESS.		AGE IN YEARS.	DECEDENTS, 1881.				EXCESS.	
	Total.	Males.	Females.	Unk.	Males.	Females.		Total.	Males.	Females.	Unk.	Males.	Females.
72	120	67	53	.....	14	.....	89	24	12	12	.....	.....	.....
73	148	87	61	.....	26	.....	90	21	9	12	.....	.....	3
74	123	76	47	.....	29	.....	91	18	13	5	.....	8	.....
75	128	70	58	.....	12	.....	92	15	10	5	.....	5	.....
76	134	73	61	.....	12	.....	93	9	3	6	.....	.....	3
77	113	63	50	.....	13	.....	94	6	3	3	.....	.....	.....
78	107	63	44	.....	19	.....	95	5	4	1	.....	3	.....
79	99	61	38	.....	23	.....	96	4	1	3	.....	.....	2
80	96	55	41	.....	14	.....	97	3	1	2	.....	.....	1
81	120	64	56	.....	8	.....	98	1	.....	1	.....	.....	1
82	82	48	34	.....	14	.....	99	5	3	2	.....	1	.....
83	73	44	29	.....	15	.....	100	2	2	.....	.....	2	.....
84	59	34	25	.....	9	.....	102	1	.....	1	.....	.....	1
85	49	33	16	.....	17	.....	103	3	.....	3	.....	.....	3
86	48	25	23	.....	2	.....	104	1	1	.....	.....	1	.....
87	36	16	20	.....	.....	4	105	1	1	.....	.....	1	.....
88	36	22	14	.....	8	.....							

EXHIBIT G.—*The Relation of the Deaths at Different Periods of Age to Deaths at All Ages, by Months; and for the same Period of Age, the Relation of the Deaths in each Month to the Deaths in the Year 1881, according to the Returns.*

DEATHS BY AGES IN PERIODS OF YEARS.		YEAR, 1881.[a]	MONTHS, 1881.											
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
All Ages		19,172	1,065	1,078	1,315	1,427	1,457	1,276	1,701	2,246	2,301	1,941	1,617	1,748
Under 1	Number	4,646	249	266	298	253	284	322	527	760	611	419	289	368
	Per Cent. of All Ages	24.23	23.38	24.68	22.66	17.73	19.49	25.24	30.98	33.84	26.55	21.59	17.87	21.05
	Per Cent. of Deaths, 1881	100.00	5.36	5.73	6.41	5.45	6.11	6.93	11.34	16.36	13.15	9.02	6.22	7.92
Under 5	Number	7,804	409	430	493	455	486	547	830	1,207	1,036	741	557	613
	Per Cent. of All Ages	40.71	38.40	39.89	37.49	31.89	33.36	42.86	48.79	53.74	45.02	38.18	34.45	35.07
	Per Cent. of Deaths, 1881	100.00	5.24	5.51	6.32	5.83	6.23	7.01	10.64	15.47	13.27	9.49	7.14	7.85
5 to 10	Number	1,475	92	70	78	105	121	94	114	131	197	184	141	148
	Per Cent. of All Ages	7.69	8.64	6.49	5.93	7.36	8.30	7.37	6.70	5.83	8.56	9.48	8.72	8.47
	Per Cent. of Deaths, 1881	100.00	6.24	4.75	5.29	7.12	8.20	6.37	7.73	8.88	13.36	12.47	9.56	10.03
10 to 20	Number	1,645	84	72	107	144	144	101	134	154	192	208	168	157
	Per Cent. of All Ages	8.58	7.89	6.68	8.14	10.09	9.88	7.92	7.88	5.97	8.34	10.72	10.39	8.98
	Per Cent. of Deaths, 1881	100.00	5.11	4.38	6.51	8.75	8.75	6.14	8.15	8.15	11.67	12.64	10.21	9.54
20 to 50	Number	3,901	228	235	283	307	346	267	295	352	406	397	387	398
	Per Cent. of All Ages	20.35	21.41	21.80	21.52	21.51	23.75	20.92	17.34	15.67	17.65	20.45	23.93	22.77
	Per Cent. of Deaths, 1881	100.00	5.85	6.02	7.26	7.87	8.87	6.84	7.56	9.02	10.41	10.18	9.92	10.20
50 and over	Number	4,088	231	261	332	392	346	256	304	384	435	389	345	413
	Per Cent. of All Ages	21.32	21.69	24.21	25.25	27.47	23.75	20.06	17.87	17.10	18.90	20.04	21.34	23.63
	Per Cent. of Deaths, 1881	100.00	5.65	6.39	8.12	9.59	8.46	6.26	7.44	9.39	10.64	9.52	8.44	10.10
Unknown Ages	Number	259	21	10	22	24	14	11	24	38	35	22	19	19
	Per Cent. of All Ages	1.35	1.97	.93	1.67	1.68	.96	.86	1.41	1.69	1.52	1.13	1.18	1.09
	Per Cent. of Deaths, 1881	100.00	8.11	3.86	8.49	9.27	5.41	4.25	9.27	14.67	13.51	8.49	7.34	7.34

[a] Excluding unknown month.

TABLE V.—*Exhibiting, by Sex and by Age in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year, and in each Month of the Year 1881.*

Ages in Periods of Years.	Sex.	Year, 1881.	Months, 1881.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Ages	Total	19,238	1065	1078	1315	1427	1457	1276	1701	2246	2301	1941	1617	1748	66
	Males	10,263	552	562	732	803	737	673	921	1198	1226	997	895	927	40
	Females	8,910	508	509	580	624	714	598	771	1038	1071	943	717	811	26
	Unknown	65	5	7	3	----	6	5	9	10	4	1	5	10	----
All Under 1	Total	4,655	249	266	298	253	284	322	527	760	611	419	289	368	9
	Males	2,586	128	152	180	157	146	181	296	424	332	226	161	196	7
	Females	2,013	117	109	116	96	132	137	222	330	275	192	123	162	2
	Unknown	56	4	5	2	----	6	4	9	6	4	1	5	10	----
All Under 5	Total	7,816	409	430	493	455	486	547	830	1207	1036	741	557	613	12
	Males	4,296	211	233	293	277	252	303	460	658	568	389	304	340	8
	Females	3,461	193	191	198	178	228	239	361	543	464	351	248	263	4
	Unknown	59	5	6	2	----	6	5	9	6	4	1	5	10	----
5 to 10	Total	1,476	92	70	78	105	121	94	114	131	197	184	141	148	1
	Males	732	47	28	39	62	66	46	50	65	104	99	66	59	1
	Females	744	45	42	39	43	55	48	64	66	93	85	75	89	----
10 to 15	Total	822	39	35	45	65	66	49	71	72	100	105	98	73	4
	Males	400	19	16	22	31	25	30	39	35	52	50	44	34	3
	Females	422	20	19	23	34	41	19	32	37	48	55	54	39	1
15 to 20	Total	827	45	37	62	79	78	52	63	62	92	103	70	84	----
	Males	379	16	17	30	43	36	22	31	20	37	43	42	42	----
	Females	448	29	20	32	36	42	30	32	42	55	60	28	42	----
20 to 25	Total	968	50	60	76	75	72	53	60	86	120	120	101	94	1
	Males	483	24	32	38	42	33	21	20	42	65	56	58	51	1
	Females	485	26	28	38	33	39	32	40	44	55	64	43	43	----
25 to 30	Total	763	36	48	45	48	72	61	75	61	75	77	81	82	2
	Males	391	16	17	25	28	27	32	40	31	39	39	52	44	1
	Females	372	20	31	20	20	45	29	35	30	36	38	29	38	1
30 to 35	Total	616	36	33	50	54	52	40	57	54	61	54	65	56	4
	Males	289	20	12	22	27	25	15	26	31	24	19	39	26	3
	Females	327	16	21	28	27	27	25	31	23	37	35	26	30	1
35 to 40	Total	560	32	38	32	48	50	35	43	46	58	58	58	61	1
	Males	272	24	17	13	22	23	17	15	19	26	27	37	32	----
	Females	288	8	21	19	26	27	18	28	27	32	31	21	29	1
40 to 45	Total	512	41	23	41	41	44	43	28	56	43	43	47	61	1
	Males	257	21	11	22	17	23	20	15	25	26	23	21	33	----
	Females	255	20	12	19	24	21	23	13	31	17	20	26	28	1

TABLE V.—CONTINUED.—*Deaths by Periods of Age, by Sex, by Months.*

AGES IN PERIODS OF YEARS.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
45 to 50	Total	492	33	33	39	41	56	35	32	49	49	45	35	44	1
	Males	254	14	18	26	28	27	16	17	27	18	18	19	25	1
	Females	238	19	15	13	13	29	19	15	22	31	27	16	19	....
50 to 55	Total	508	27	29	45	52	46	33	42	41	55	43	40	55	....
	Males	299	12	21	31	37	23	16	25	29	28	25	24	28	....
	Females	209	15	8	14	15	23	17	17	12	27	18	16	27	....
55 to 60	Total	509	21	39	41	52	44	26	40	43	55	49	47	48	4
	Males	273	13	21	22	25	19	15	27	22	29	24	26	26	4
	Females	236	8	18	19	27	25	11	13	21	26	25	21	22	....
60 to 65	Total	574	32	37	44	44	57	38	49	59	47	56	47	61	3
	Males	321	15	21	23	23	31	25	25	32	27	33	26	38	2
	Females	253	17	16	21	21	26	13	24	27	20	23	21	23	1
65 to 70	Total	562	29	40	40	52	57	38	31	47	60	60	53	54	1
	Males	330	12	26	22	30	38	20	24	31	42	32	23	30	....
	Females	232	17	14	18	22	19	18	7	16	18	28	30	24	1
70 to 75	Total	649	48	41	53	65	59	46	52	60	57	64	44	57	3
	Males	390	27	25	28	39	36	27	27	45	35	39	30	30	2
	Females	259	21	16	25	26	23	19	25	15	22	25	14	27	1
75 to 80	Total	581	33	40	43	55	35	31	33	65	71	54	54	66	1
	Males	330	25	23	26	26	24	15	25	31	29	35	30	40	1
	Females	251	8	17	17	29	11	16	8	34	42	19	24	26	....
80 to 85	Total	430	28	20	36	45	31	29	36	43	53	29	36	38	1
	Males	245	18	10	21	21	13	18	25	24	28	16	25	25	1
	Females	185	10	10	15	24	18	11	11	24	25	13	11	13	....
85 to 90	Total	193	6	8	18	20	8	11	14	15	28	23	19	23	....
	Males	108	3	5	12	10	4	6	7	9	21	14	10	7	....
	Females	85	3	3	6	10	4	5	7	6	7	9	9	16	....
90 to 95	Total	69	5	6	10	5	7	3	5	3	7	9	3	6	....
	Males	38	2	3	4	4	2	2	4	2	4	4	3	4	....
	Females	31	3	3	6	1	5	1	1	1	3	5	....	2	....
95 to 100	Total	18	1	....	1	2	1	1	2	3	1	2	1	3	....
	Males	9	....	....	....	....	....	1	2	2	....	1	1	2	....
	Females	9	1	....	1	2	1	....	....	1	1	1	....	1	....
100 and over	Total	8	1	1	1	....	1	....	....	....	1	....	1	2	....
	Males	4	1	....	1	....	1	....	....	....	....	....	1	....	....
	Females	4	....	1	....	....	....	....	....	....	1	....	....	2	....
Unknown	Total	285	21	10	22	24	14	11	24	38	35	22	19	19	26
	Males	163	12	6	12	11	9	6	17	18	24	11	14	11	12
	Females	116	9	3	9	13	5	5	7	16	11	11	5	8	14
	Unknown	6	....	1	1	....	....	....	....	4	....	....	....	....	....

TABLE VI.—*Exhibiting, by Sex and by Months, the Number Returned as having Died in Michigan during the Year 1881 at each and every Age, the Age stated in Twelfths of a Year for those under One Year, and in Years for those over One Year of Age.*

Ages in Years.	Sex.	Year, 1881.	Months, 1881.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Under 1-12	Total	1,834	125	143	150	136	134	147	146	197	163	154	124	211	4
	Males	1,046	70	76	93	92	72	84	86	115	89	85	71	110	3
	Females	738	52	62	56	44	56	59	54	77	70	68	48	91	1
	Unknown	50	3	5	1	.....	6	4	6	5	4	1	5	10	....
1-12	Total	420	21	24	32	18	21	27	53	66	60	51	27	20	....
	Males	228	7	16	17	10	12	12	34	33	33	30	12	12	....
	Females	191	14	8	15	8	9	15	18	33	27	21	15	8	....
	Unknown	1	....	....	.....	.....	.....	.....	1	.....	.....	....	....	....	....
2-12	Total	338	19	13	15	13	26	27	40	48	42	28	34	23	....
	Males	181	8	6	10	6	18	16	25	25	19	16	15	17	....
	Females	145	11	7	4	7	8	11	15	22	23	12	19	6	....
	Unknown	2	....	....	1	.....	.....	.....	.....	1	.....	....	....	....	....
3-12	Total	345	15	14	17	12	22	21	46	75	48	25	21	27	2
	Males	180	8	8	10	5	9	9	22	46	23	16	14	8	2
	Females	164	7	6	7	7	13	12	23	29	25	9	7	19	....
	Unknown	1	....	....	.....	.....	.....	.....	1	.....	.....	....	....	....	....
4-12	Total	288	17	13	11	10	11	18	45	62	47	26	17	11	....
	Males	163	10	10	7	5	7	11	20	34	25	13	13	8	....
	Females	124	7	3	4	5	4	7	24	28	22	13	4	3	....
	Unknown	1	....	....	.....	.....	.....	.....	1	.....	.....	....	....	....	....
5-12	Total	243	8	6	7	9	9	20	29	48	55	29	9	14	....
	Males	134	2	1	5	6	5	12	14	29	34	14	3	9	....
	Females	109	6	5	2	3	4	8	15	19	21	15	6	5	....
6-12	Total	242	13	18	9	10	9	17	38	53	33	17	12	13	....
	Males	138	6	16	5	4	3	9	21	32	16	12	7	7	....
	Females	104	7	2	4	6	6	8	17	21	17	5	5	6	....
7-12	Total	200	7	10	13	6	7	6	24	44	45	20	9	9	....
	Males	106	4	6	7	2	2	5	10	21	28	10	6	5	....
	Females	94	3	4	6	4	5	1	14	23	17	10	3	4	....
8-12	Total	211	9	2	10	11	12	10	25	54	35	17	17	9	....
	Males	116	6	1	6	8	7	8	13	25	20	9	8	5	....
	Females	94	2	1	4	3	5	2	12	29	15	8	9	4	....
	Unknown	1	1	....	.....	.....	.....	.....	.....	.....	.....	....	....	....	....
9-12	Total	198	6	7	11	12	13	13	30	38	31	18	4	13	2
	Males	104	3	5	6	8	6	6	19	18	17	5	3	6	2
	Females	94	3	2	5	4	7	7	11	20	14	13	1	7	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
10-12	Total	154	5	3	9	11	9	11	19	36	25	12	8	6	----
	Males	91	3	2	5	7	2	7	11	25	15	5	6	3	----
	Females	63	2	1	4	4	7	4	8	11	10	7	2	3	----
11-12	Total	192	4	13	14	5	11	5	32	39	27	22	7	12	1
	Males	99	1	5	9	4	3	2	21	21	13	11	3	6	----
	Females	93	3	8	5	1	8	3	11	18	14	11	4	6	1
1	Total	1,372	64	54	84	69	69	90	156	229	246	136	88	85	2
	Males	756	33	27	48	46	36	45	84	117	142	80	50	47	1
	Females	615	31	27	36	23	33	44	72	112	104	56	38	38	1
	Unknown	1	----	----	----	----	----	1	----	----	----	----	----	----	----
2	Total	781	41	48	59	53	53	67	61	116	79	72	65	67	----
	Males	407	14	27	31	37	26	33	32	64	45	30	29	39	----
	Females	373	27	20	28	16	27	34	29	52	34	42	36	28	----
	Unknown	1	----	1	----	----	----	----	----	----	----	----	----	----	----
3	Total	572	28	35	32	43	45	47	53	64	64	52	56	52	1
	Males	314	18	17	22	24	25	30	29	35	29	20	34	31	----
	Females	257	9	18	10	19	20	17	24	29	35	32	22	21	1
	Unknown	1	1	----	----	----	----	----	----	----	----	----	----	----	----
4	Total	436	27	27	20	37	35	21	33	38	36	62	59	41	----
	Males	233	18	10	12	13	19	14	19	18	20	33	30	27	----
	Females	203	9	17	8	24	16	7	14	20	16	29	29	14	----
5	Total	398	27	20	20	30	37	21	32	34	50	47	45	35	----
	Males	196	10	9	13	16	18	7	13	20	25	25	21	19	----
	Females	202	17	11	7	14	19	14	19	14	25	22	24	16	----
6	Total	303	20	12	22	26	20	27	19	24	39	27	30	37	----
	Males	143	10	4	9	16	10	12	6	11	21	14	15	15	----
	Females	160	10	10	13	10	10	15	13	13	18	13	15	22	----
7	Total	309	17	13	16	11	30	17	25	39	44	42	29	25	1
	Males	158	10	6	8	7	18	10	15	21	21	24	9	8	1
	Females	151	7	7	8	4	12	7	10	18	23	18	20	17	----
8	Total	249	17	13	14	20	17	17	15	21	34	33	22	26	----
	Males	128	11	4	7	13	10	10	5	8	19	18	13	10	----
	Females	121	6	9	7	7	7	7	10	13	15	15	9	16	----
9	Total	217	11	12	6	18	17	12	23	13	30	35	15	25	----
	Males	107	6	5	2	10	10	7	11	5	18	18	8	7	----
	Females	110	5	7	4	8	7	5	12	8	12	17	7	18	----
10	Total	177	12	9	3	15	13	13	22	12	26	23	13	16	----
	Males	83	4	4	1	7	4	6	10	5	19	14	4	5	----
	Females	94	8	5	2	8	9	7	12	7	7	9	9	11	----

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
11	Total	180	6	9	10	10	18	14	14	17	14	22	29	17	....
	Males	93	3	5	4	5	10	8	8	8	7	10	16	9	....
	Females	87	3	4	6	5	8	6	6	9	7	12	13	8	....
12	Total	157	7	8	9	11	9	10	10	16	27	20	13	16	1
	Males	84	4	3	5	6	4	8	9	9	12	8	6	9	1
	Females	73	3	5	4	5	5	2	1	7	15	12	7	7	....
13	Total	150	7	5	12	11	15	5	12	11	15	20	25	11	1
	Males	70	3	3	5	5	5	3	5	4	7	16	12	7	1
	Females	80	4	2	7	6	10	2	7	7	8	10	13	4	....
14	Total	158	7	4	11	18	11	7	13	16	18	20	18	13	2
	Males	70	5	1	7	8	2	5	7	9	7	8	6	4	1
	Females	88	2	3	4	10	9	2	6	7	11	12	12	9	1
15	Total	117	12	2	16	11	6	6	8	5	11	20	11	9	....
	Males	47	4	2	8	7	3	2	4	1	4	5	6	1	....
	Females	70	8	....	8	4	3	4	4	4	7	15	5	8	....
16	Total	168	11	14	11	11	17	10	14	13	26	18¼	8	15	....
	Males	65	3	5	6	8	6	4	4	3	12	6	3	5	....
	Females	103	8	9	5	3	11	6	10	10	14	12	5	10	....
17	Total	159	7	7	7	15	18	12	13	19	15	16	12	18	....
	Males	72	5	2	4	8	9	6	5	8	5	5	7	8	....
	Females	87	2	5	3	7	9	6	8	11	10	11	5	10	....
18	Total	165	9	4	13	21	20	10	11	11	16	15	18	17	....
	Males	86	2	2	7	10	11	3	8	4	7	7	12	13	....
	Females	79	7	2	6	11	9	7	3	7	9	8	6	4	....
19	Total	218	6	10	15	21	17	14	17	14	24	34	21	25	....
	Males	109	2	6	5	10	7	7	10	4	9	20	14	15	....
	Females	109	4	4	10	11	10	7	7	10	15	14	7	10	....
20	Total	199	10	13	17	12	11	8	17	11	31	26	20	23	....
	Males	97	7	3	6	9	6	3	5	1	21	13	13	10	....
	Females	102	3	10	11	3	5	5	12	10	10	13	7	13	....
21	Total	179	9	7	16	16	11	11	9	18	17	24	27	13	1
	Males	85	3	4	8	10	4	5	.....	7	7	11	16	9	1
	Females	94	6	3	8	6	7	6	9	11	10	13	11	4	....
22	Total	212	13	15	16	21	20	11	10	21	25	24	16	20	....
	Males	107	5	9	9	10	6	5	5	11	11	12	11	13	....
	Females	105	8	6	7	11	14	6	5	10	14	12	5	7	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1881.	Months, 1881.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
23	Total	154	7	11	12	10	9	12	4	16	16	19	17	21	....
	Males	89	5	7	8	4	5	6	1	12	8	11	11	11	....
	Females	65	2	4	4	6	4	6	3	4	8	8	6	10	....
24	Total	224	11	14	15	16	21	11	20	20	31	27	21	17	....
	Males	105	4	9	7	9	12	2	9	11	18	9	7	8	....
	Females	119	7	5	8	7	9	9	11	9	13	18	14	9	....
25	Total	166	10	9	10	12	12	19	12	15	15	15	19	17	1
	Males	92	4	3	5	7	7	12	8	8	8	6	12	11	1
	Females	74	6	6	5	5	5	7	4	7	7	9	7	6	....
26	Total	155	5	12	5	12	11	10	15	17	15	14	19	19	1
	Males	80	2	3	4	9	1	4	8	8	10	7	16	8	....
	Females	75	3	9	1	3	10	6	7	9	5	7	3	11	1
27	Total	149	8	7	12	8	20	14	14	10	15	16	11	14	....
	Males	73	5	3	5	5	9	8	7	3	8	10	5	5	....
	Females	76	3	4	7	3	11	6	7	7	7	6	6	9	....
28	Total	170	9	14	10	8	13	8	17	14	17	16	24	20	....
	Males	87	3	7	6	2	6	4	7	9	7	10	13	13	....
	Females	83	6	7	4	6	7	4	10	5	10	6	11	7	....
29	Total	123	4	6	8	8	16	10	17	5	13	16	8	12	....
	Males	59	2	1	5	5	4	4	10	3	6	6	6	7	....
	Females	64	2	5	3	3	12	6	7	2	7	10	2	5	....
30	Total	144	8	6	13	16	10	8	12	14	14	13	15	12	3
	Males	82	3	3	9	10	5	3	7	12	7	3	11	6	3
	Females	62	5	3	4	6	5	5	5	2	7	10	4	6	....
31	Total	108	7	5	10	5	7	14	10	11	11	7	11	9	1
	Males	49	6	....	6	2	5	5	2	5	4	1	7	6	....
	Females	59	1	5	4	3	2	9	8	6	7	6	4	3	1
32	Total	120	8	9	8	10	13	8	10	8	7	18	13	8	....
	Males	57	3	4	3	5	8	4	7	3	3	9	5	3	....
	Females	63	5	5	5	5	5	4	3	5	4	9	8	5	....
33	Total	126	7	8	10	9	9	5	17	9	14	8	16	14	....
	Males	57	4	2	3	6	4	2	5	7	5	2	12	5	....
	Females	69	3	6	7	3	5	3	12	2	9	6	4	9	....
34	Total	118	6	5	9	14	13	5	8	12	15	8	10	13	....
	Males	44	4	3	1	4	3	1	5	4	5	4	4	6	....
	Females	74	2	2	8	10	10	4	3	8	10	4	6	7	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1881.	Months, 1881.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
35	Total	132	10	12	10	10	11	9	8	14	10	8	14	16	....
	Males	67	7	10	4	4	3	5	2	6	5	4	11	6	....
	Females	65	3	2	6	6	8	4	6	8	5	4	3	10	....
36	Total	125	8	6	5	12	11	6	7	13	23	14	12	8	....
	Males	60	6	1	1	5	5	3	5	5	11	8	5	5	....
	Females	65	2	5	4	7	6	3	2	8	12	6	7	3	....
37	Total	116	3	6	5	9	10	8	10	8	12	14	17	13	1
	Males	59	2	2	2	5	6	6	3	2	5	8	12	6	....
	Females	57	1	4	3	4	4	2	7	6	7	6	5	7	1
38	Total	99	5	8	8	11	8	7	10	6	3	11	7	15	....
	Males	43	5	1	5	5	2	1	2	3	.....	5	3	11	....
	Females	56	....	7	3	6	6	6	8	3	3	6	4	4	....
39	Total	88	6	6	4	6	10	5	8	5	10	11	8	9	....
	Males	43	4	3	1	3	7	2	3	3	5	2	6	4	....
	Females	45	2	3	3	3	3	3	5	2	5	9	2	5	....
40	Total	130	6	6	9	9	10	14	5	12	16	12	14	17	....
	Males	63	1	1	5	3	2	7	1	6	13	8	8	8	....
	Females	67	5	5	4	6	8	7	4	6	3	4	6	9	....
41	Total	98	9	3	6	12	8	10	7	11	3	5	12	12	....
	Males	54	4	2	5	6	5	4	5	6	1	5	3	8	....
	Females	44	5	1	1	6	3	6	2	5	2	....	9	4	....
42	Total	114	8	5	11	4	11	11	6	13	10	9	11	14	1
	Males	54	4	2	7	1	7	4	4	3	6	2	7	7	....
	Females	60	4	3	4	3	4	7	2	10	4	7	4	7	1
43	Total	90	11	7	5	6	9	5	7	12	6	5	6	11	....
	Males	49	8	6	1	2	5	3	4	5	4	2	1	8	....
	Females	41	3	1	4	4	4	2	3	7	2	3	5	3	....
44	Total	80	7	2	10	10	6	3	3	8	8	12	4	7	....
	Males	37	4	....	4	5	4	2	1	5	2	6	2	2	....
	Females	43	3	2	6	5	2	1	2	3	6	6	2	5	....
45	Total	118	10	8	11	4	13	8	5	8	13	14	7	16	1
	Males	66	5	4	6	3	4	4	3	4	9	9	5	9	1
	Females	52	5	4	5	1	9	4	2	4	4	5	2	7	....
46	Total	80	7	4	8	9	11	5	2	8	9	4	6	7	....
	Males	44	1	4	6	9	5	1	1	5	4	2	2	4	....
	Females	36	6	....	2	.....	6	4	1	3	5	2	4	3	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
47	Total	97	7	10	9	5	8	8	9	10	8	12	8	3	....
	Males	44	3	5	7	2	5	4	5	5	.....	3	3	2	....
	Females	53	4	5	2	3	3	4	4	5	8	9	5	1	....
48	Total	102	6	6	7	10	11	7	8	13	10	6	8	10	....
	Males	46	4	4	4	5	3	1	5	4	3	2	6	5	....
	Females	56	2	2	3	5	8	6	3	9	7	4	2	5	....
49	Total	95	3	5	4	13	13	7	8	10	9	9	6	8	....
	Males	54	1	1	3	9	10	6	3	9	2	2	3	5	....
	Females	41	2	4	1	4	3	1	5	1	7	7	3	3	....
50	Total	107	6	3	12	9	11	5	7	4	17	11	10	12	....
	Males	60	2	2	11	8	4	2	3	1	8	7	6	6	....
	Females	47	4	1	1	1	7	3	4	3	9	4	4	6	....
51	Total	83	3	7	5	13	4	3	6	7	9	9	8	9	....
	Males	50	1	3	4	8	2	3	6	5	5	5	3	5	....
	Females	33	2	4	1	5	2	.....	.....	2	4	4	5	4	....
52	Total	107	7	9	13	8	8	6	13	11	10	6	9	7	....
	Males	63	4	7	6	4	5	3	7	8	4	5	6	4	....
	Females	44	3	2	7	4	3	3	6	3	6	1	3	3	....
53	Total	103	5	5	8	8	13	11	10	8	12	7	3	13	....
	Males	67	3	5	6	5	7	7	6	7	8	4	3	6	....
	Females	36	2	....	2	3	6	4	4	1	4	3	....	7	....
54	Total	108	6	5	7	14	10	8	6	11	7	10	10	14	....
	Males	59	2	4	4	12	5	1	3	8	3	4	6	7	....
	Females	49	4	1	3	2	5	7	3	3	4	6	4	7	....
55	Total	99	3	8	5	9	11	1	9	8	14	9	9	11	2
	Males	53	2	2	4	5	5	.....	8	5	7	4	3	6	2
	Females	46	1	6	1	4	6	1	1	3	7	5	6	5	....
56	Total	98	5	9	9	10	8	6	7	6	11	11	11	4	1
	Males	47	2	6	6	4	2	2	5	3	5	3	5	3	1
	Females	51	3	3	3	6	6	4	2	3	6	8	6	1	....
57	Total	97	5	6	7	8	7	6	7	9	12	9	7	14	....
	Males	54	4	3	5	3	2	4	3	6	5	5	5	9	....
	Females	43	1	3	2	5	5	2	4	3	7	4	2	5	....
58	Total	111	1	8	9	12	13	7	8	10	12	12	9	10	....
	Males	61	....	5	3	6	7	5	8	3	7	7	5	5	....
	Females	50	1	3	6	6	6	2	.....	7	5	5	4	5	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
59	Total	104	7	8	11	13	5	6	9	10	6	8	11	9	1
	Males	58	5	5	4	7	3	4	3	5	5	5	8	3	1
	Females	46	2	3	7	6	2	2	6	5	1	3	3	6	....
60	Total	136	8	9	11	9	13	13	11	16	14	9	10	12	1
	Males	79	4	7	6	4	5	13	4	11	9	6	6	3	1
	Females	57	4	2	5	5	8	.....	7	5	5	3	4	9	....
61	Total	101	6	7	8	6	13	10	6	7	10	11	7	10	....
	Males	62	4	3	4	2	7	3	3	4	7	9	7	9	....
	Females	39	2	4	4	4	6	7	3	3	3	2	....	1	....
62	Total	132	9	7	14	10	15	6	11	13	16	12	7	12	....
	Males	68	4	5	9	6	8	4	8	4	6	7	....	7	....
	Females	64	5	2	5	4	7	2	3	9	10	5	7	5	....
63	Total	123	5	8	9	13	7	4	11	11	6	19	14	15	1
	Males	64	....	3	4	7	4	1	5	7	4	10	9	9	1
	Females	59	5	5	5	6	3	3	6	4	2	9	5	6	....
64	Total	82	4	6	2	6	9	5	10	12	1	5	9	12	1
	Males	48	3	3	.....	4	7	4	5	6	1	1	4	10	....
	Females	34	1	3	2	2	2	1	5	6	.....	4	5	2	1
65	Total	116	8	7	12	9	12	8	8	8	6	13	13	11	1
	Males	73	4	6	8	6	8	5	5	3	6	7	7	8	....
	Females	43	4	1	4	3	4	3	3	5	.....	6	6	3	1
66	Total	102	5	12	9	15	7	5	4	8	15	10	5	7	....
	Males	60	1	9	6	8	5	4	3	5	9	4	2	4	....
	Females	42	4	3	3	7	2	1	1	3	6	6	3	3	....
67	Total	112	5	4	7	6	20	10	6	15	11	10	8	10	....
	Males	66	1	2	5	4	13	3	6	11	9	5	1	6	....
	Females	46	4	2	2	2	7	7	.....	4	2	5	7	4	....
68	Total	117	4	7	6	10	10	6	7	7	13	15	17	15	....
	Males	65	2	3	1	4	8	3	5	5	8	9	9	8	....
	Females	52	2	4	5	6	2	3	2	2	5	6	8	7	....
69	Total	115	7	10	6	12	8	9	6	9	15	12	10	11	....
	Males	66	4	6	2	8	4	5	5	7	10	7	4	4	....
	Females	49	3	4	4	4	4	4	1	2	5	5	6	7	....
70	Total	146	14	9	10	11	16	13	9	10	14	18	8	13	1
	Males	97	8	6	3	6	14	10	4	9	7	13	6	10	1
	Females	49	6	3	7	5	2	3	5	1	7	5	2	3	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
71	Total	112	4	7	10	6	9	3	14	13	9	10	14	12	1
	Males	63	1	3	4	4	4	2	7	9	9	5	10	4	1
	Females	49	3	4	6	2	5	1	7	4	------	5	4	8	----
72	Total	120	12	5	12	13	8	8	7	18	16	8	2	10	1
	Males	67	6	4	9	8	3	4	2	13	9	3	1	5	----
	Females	53	6	1	3	5	5	4	5	5	7	5	1	5	1
73	Total	148	9	13	15	21	11	11	9	8	11	17	13	10	----
	Males	87	5	9	9	13	5	7	5	6	5	11	7	5	----
	Females	61	4	4	6	8	6	4	4	2	6	6	6	5	----
74	Total	123	9	7	6	14	15	11	13	11	7	11	7	12	----
	Males	76	7	3	3	8	10	4	9	8	5	7	6	6	----
	Females	47	2	4	3	6	5	7	4	3	2	4	1	6	----
75	Total	128	8	5	12	12	11	5	12	11	10	14	11	17	----
	Males	70	8	1	6	2	7	------	9	5	5	10	6	11	----
	Females	58	----	4	6	10	4	5	3	6	5	4	5	6	----
76	Total	134	6	7	10	15	9	6	7	15	18	13	9	19	----
	Males	73	4	4	6	7	6	3	5	7	8	10	5	8	----
	Females	61	2	3	4	8	3	3	2	8	10	3	4	11	----
77	Total	113	13	13	6	13	6	5	3	9	14	12	11	7	1
	Males	63	8	9	3	7	4	3	2	2	4	8	7	5	1
	Females	50	5	4	3	6	2	2	1	7	10	4	4	2	----
78	Total	107	3	5	9	11	3	7	5	17	14	8	12	13	----
	Males	63	2	4	6	8	3	3	3	7	7	4	8	8	----
	Females	44	1	1	3	3	------	4	2	10	7	4	4	5	----
79	Total	99	3	10	6	4	6	8	6	13	15	7	11	10	----
	Males	61	3	5	5	2	4	6	6	10	5	3	4	8	----
	Females	38	----	5	1	2	2	2	------	3	10	4	7	2	----
80	Total	96	8	4	9	12	6	4	12	8	7	7	11	8	----
	Males	55	4	3	5	8	3	1	8	1	5	4	7	6	----
	Females	41	4	1	4	4	3	3	4	7	2	3	4	2	----
81	Total	120	9	5	10	11	10	9	12	13	17	6	9	8	1
	Males	64	6	2	6	5	2	5	9	7	6	2	6	7	1
	Females	56	3	3	4	6	8	4	3	6	11	4	3	1	----
82	Total	82	3	5	5	8	3	6	6	12	8	9	8	9	----
	Males	48	1	3	4	4	1	5	4	8	2	5	6	5	----
	Females	34	2	2	1	4	2	1	2	4	6	4	2	4	----

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
83	Total	73	6	4	7	6	7	4	5	10	10	1	5	8	....
	Males	44	5	1	2	2	4	2	3	6	8	1	5	5	....
	Females	29	1	3	5	4	3	2	2	4	2	....	....	3	....
84	Total	59	2	2	5	8	5	6	1	5	11	6	3	5	....
	Males	34	2	1	4	2	3	5	1	2	7	4	1	2	....
	Females	25	....	1	1	6	2	1	....	3	4	2	2	3	....
85	Total	49	1	3	4	2	3	1	4	6	5	7	6	7	....
	Males	33	....	2	3	2	2	1	3	4	4	5	4	3	....
	Females	16	1	1	1	....	1	....	1	2	1	2	2	4	....
86	Total	48	1	....	5	7	2	4	5	3	7	4	5	5	....
	Males	25	....	....	5	4	1	3	2	2	4	2	1	1	....
	Females	23	1	....	....	3	1	1	3	1	3	2	4	4	....
87	Total	36	1	1	1	5	1	1	3	3	9	5	3	3	....
	Males	16	1	1	....	....	....	....	2	2	6	3	1	....	....
	Females	20	....	....	1	5	1	1	1	1	3	2	2	3	....
88	Total	36	1	3	5	5	....	5	....	....	6	4	2	5	....
	Males	22	....	1	4	3	....	2	....	....	6	2	2	2	....
	Females	14	1	2	1	2	....	3	....	....	....	2	....	3	....
89	Total	24	2	1	3	1	2	....	2	3	1	3	3	3	....
	Males	12	2	1	....	1	1	....	....	1	1	2	2	1	....
	Females	12	....	....	3	....	1	....	2	2	....	1	1	2	....
90	Total	21	1	2	3	2	1	2	1	....	2	3	1	3	....
	Males	9	....	....	....	1	....	1	1	....	1	1	1	3	....
	Females	12	1	2	3	1	1	1	....	....	1	2	....	....	....
91	Total	18	1	1	5	2	1	1	1	....	2	1	2	1	....
	Males	13	....	1	2	2	1	1	1	....	2	....	2	1	....
	Females	5	1	....	3	....	....	....	....	....	....	1	....	....	....
92	Total	15	2	1	1	....	2	....	3	....	2	3	....	1	....
	Males	10	2	1	1	....	1	....	2	....	1	2	....	....	....
	Females	5	....	....	....	....	1	....	1	....	1	1	....	1	....
93	Total	9	1	1	....	....	2	....	....	3	1	1	....	....	....
	Males	3	....	1	....	....	....	....	....	2	....	....	....	....	....
	Females	6	1	....	....	....	2	....	....	1	1	1	....	....	....
94	Total	6	....	1	1	1	1	....	....	....	....	1	....	1	....
	Males	3	....	....	1	1	....	....	....	....	....	1	....	....	....
	Females	3	....	1	....	....	1	....	....	....	....	....	....	1	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1881.	MONTHS, 1881.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
95	Total	5	----	----	------	------	------	------	1	1	------	1	----	2	----
	Males	4	----	----	------	------	------	------	1	1	------	1	----	1	----
	Females	1	----	----	------	------	------	------	------	------	------	----	----	1	----
96	Total	4	----	----	------	1	------	------	1	------	1	1	----	----	----
	Males	1	----	----	------	------	------	------	1	------	------	----	----	----	----
	Females	3	----	----	------	1	------	------	------	------	1	1	----	----	----
97	Total	3	1	----	------	------	1	1	------	------	------	----	----	----	----
	Males	1	----	----	------	------	------	1	------	------	------	----	----	----	----
	Females	2	1	----	------	------	1	------	------	------	------	----	----	----	----
98	Females	1	----	----	1	------	------	------	------	------	------	----	----	----	----
99	Total	5	----	----	------	1	------	------	------	2	------	----	1	1	----
	Males	3	----	----	------	------	------	------	------	1	------	----	1	1	----
	Females	2	----	----	------	1	------	------	------	1	------	----	----	----	----
100	Males	2	----	----	------	------	1	------	------	------	------	----	1	----	----
102	Females	1	----	----	------	------	------	------	------	------	------	----	----	1	----
103	Females	3	----	1	------	------	------	------	------	------	1	----	----	1	----
104	Males	1	1	----	------	------	------	------	------	------	------	----	----	----	----
105	Males	1	----	----	1	------	------	------	------	------	------	----	----	----	----
Unk. Age	Total	285	21	10	22	24	14	11	24	38	35	22	19	19	26
	Males	163	12	6	12	11	9	6	17	18	24	11	14	11	12
	Females	116	9	3	9	13	5	5	7	16	11	11	5	8	14
	Unknown	6	----	1	1	------	------	------	------	4	------	----	----	----	----

STILL-BORN CHILDREN.

Although a subject of very great importance, it is probable that the returns relating to still-born children are too inaccurate for satisfactory study. Exhibit 2 presents some facts in regard to the subject.

EXHIBIT 2.—*The Relation of Still-births to All Deaths Returned as having occurred in Michigan during the Years 1876 to 1881, inclusive, corrected by means of the Returns of Births.*

	Total Deaths and Still-Births.					
	1876.	1877.	1878.	1879.	1880.	1881.
Total Number of Deaths	12,576	12,919	12,766	14,407	16,102	19,238
Number of Still-births	646	720	793	749	738	691
Per Cent. of Still-births to Total Deaths	5.14	5.57	6.21	5.20	4.58	3.59

TABLE VIII.—*Exhibiting, by Sex, the Number of Children under One Year of Age Returned as having Died in Michigan during the Year 1881; distinguishing the Months in which they Died, their Age in Months at Death, the Months in which they were Born, and whether Born in the Year of Death or in the Previous Year.*[a]

Months in which Births and Deaths Occurred.	Number Born in Each Month of Year of Death.				Number of Children who Died at Each Age in Months.												Number Born in each Month of Year Previous to Year of Death.			Deaths by Months.							
	Year.	Total.	Sex.	No. of each Sex.	-1.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	No. of each Sex.	Total.	Year.	Of those Born in Year of Death.		Of those Born in Previous Year.		All Aged under One Year	
																				Sex.	Total.	Sex.	Total.	Sex.	Total
January	1881.	358	Males	199	70	7	8	8	10	2	6	4	6	3	3	1	------	------	1880.	70	122	58	123	128	245
			Females	159	52	14	11	7	7	6	7	3	2	3	2	3	------			52		65		117	
February		377	Males	208	76	16	6	8	10	1	16	6	1	5	2	5	1	4		92	162	60	99	152	261
			Females	169	62	8	7	6	3	5	2	4	1	2	1	8	3			70		39		109	
March		389	Males	219	93	17	10	10	7	5	5	7	6	6	5	9	8	18		120	195	60	101	180	296
			Females	170	56	15	4	7	4	2	4	6	4	5	4	5	10			75		41		116	
April		381	Males	233	92	10	6	5	5	6	4	2	8	8	7	4	14	23		113	179	44	74	157	253
			Females	148	44	8	7	7	5	3	6	4	3	4	4	1	9			66		30		96	
May		367	Males	206	72	12	18	9	7	5	3	2	7	6	2	3	20	29		118	208	28	70	146	278
			Females	161	56	9	8	13	4	4	6	5	5	7	7	8	9			90		42		132	
June		338	Males	189	84	12	16	9	11	12	9	5	8	6	7	2	21	42		144	256	37	62	181	318
			Females	149	59	15	11	12	7	8	8	1	2	7	4	3	21			112		25		137	
July		304	Males	176	86	34	25	22	20	14	21	10	13	19	11	21	30	59		222	388	74	130	296	518
			Females	128	54	18	15	23	24	15	17	14	12	11	8	11	29			166		56		222	
August		312	Males	186	115	33	25	46	34	29	32	21	25	18	25	21	67	106		335	587	89	167	424	754
			Females	126	77	33	22	29	28	19	21	23	29	20	11	18	39			252		78		330	
September		271	Males	142	89	33	19	23	25	34	16	28	20	17	15	13	63	121		287	524	45	83	332	607
			Females	129	70	27	23	25	22	21	17	17	15	14	10	14	58			237		38		275	
October		203	Males	114	85	30	16	16	13	14	12	10	9	5	5	11	94	155		210	384	16	34	226	418
			Females	89	68	21	12	9	13	15	5	10	8	13	7	11	61			174		18		192	
November		139	Males	83	71	12	15	14	13	3	7	6	8	3	6	3	94	178		158	277	3	7	161	234
			Females	56	48	15	19	7	4	6	5	3	9	1	2	4	84			119		4		123	
December		201	Males	110	110	12	17	8	8	9	7	5	5	6	3	6	102	215		196	358	------	------	196	358
			Females	91	91	8	6	19	3	5	6	4	4	7	3	6	113			162		------		162	

Deaths by Ages.																										
Of those Born in Year of Death.	1881.		Males....	2,065	1043	221	167	152	131	115	95	70	42	14	9	6	.....	.....	.....	2,065					
			Females.	1,575	737	177	127	144	105	89	71	57	36	21	5	6	.....	.....	.....	1,575					
		3,640	Total....	3,640	1780	398	294	296	236	204	166	127	78	35	14	12	.....	.....	.....	.....	3,640				
Of those Born in Previous Year.	1880.		Males....	.....	....	7	14	26	32	19	43	36	74	88	82	93	514	.....	.....	.....	.....	514			
			Females.	.....	....	14	18	20	19	20	33	37	58	73	58	86	436	.....	.....	.....	.....	436			
			Total....	950	....	21	32	46	51	39	76	73	132	161	140	179	.....	950	.....	.....	.....		950		
All aged under One Year.			Males....	.....	1043	228	181	178	163	134	138	106	116	102	91	99	.....	.....	.....	.....	.....	.....	.....	2,579	
			Females.	.....	737	191	145	164	124	109	104	94	94	94	63	92	.....	.....	.....	.....	.....	.....	.....	2,011	
			Total....	a 4,590	1780	419	326	342	287	243	242	200	210	196	154	191	.....	.....	.....	.....	.....	.....	.....	.....	4,590

a Excluding 7 males and 2 females, month of death unknown; and 56 deaths of persons of unknown sex,—65 in all.

BIRTH-MONTHS MOST FAVORABLE TO THE LIFE OF THE CHILD.

Exhibit 3 contains data concerning the number of children who were born in each month of the year 1880, and who died in 1880 and 1881 aged under one year. The greatest number of deaths under one year of age, according to the returns, occurred among children born in the month of December. The least mortality was among those born in the month of January.

MONTHS OF GREATEST DANGER TO LIFE OF CHILDREN AGED UNDER ONE YEAR.

While, according to the returns, the greatest danger to life at all ages was, in 1881, in the month of September, the greatest mortality among children under one year of age was in the month of August; the months of July, August, and September being three consecutive months of great danger. This is a fact of painful repetition year after year, and one in which individual observation verifies statistics. When we consider the probabilities of life being so much greater after the age of one year, the problem, how to guard against the perils of the first year of life, becomes one for the gravest consideration.

EXHIBIT 3.—*Of the Children Born in 1880, the Number who Died during the Year 1880; the Number who Died during the Year 1881, under One Year of Age; The Total Number who Died under One Year of Age; and the Per Cent. of Decedents Aged under One Year to the Children Born in 1880, according to the Returns.*

MONTHS OF BIRTH.	Births in 1880, as Returned.	Children Born in 1880.				Births of Males in 1880, as Returned.	Males Born in 1880.				Births of Females in 1880, as Returned.	Females Born in 1880.			
		Died during the Year 1880.	Died Aged under 1 Year during the Year 1881.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.		Died during the Year 1880.	Died Aged under 1 Year during the Year 1881.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.		Died during the Year 1880.	Died Aged under 1 Year during the Year 1881.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.
Total[a]	35,287	3,193	950	4,143	11.74	18,355	1,817	514	2,331	12.70	16,873	1,376	436	1,812	10.74
January	2,355	286	.....	286	12.14	1,234	166	.....	166	13.45	1,119	120	.....	120	10.72
February	2,513	321	4	325	12.93	1,335	192	1	193	14.46	1,171	129	3	132	11.27
March	2,850	327	18	345	12.11	1,506	196	8	204	13.55	1,342	131	10	141	10.51
April	2,824	341	23	364	12.89	1,502	189	14	203	13.52	1,318	152	9	161	12.22
May	2,880	280	29	309	10.73	1,472	152	20	172	11.68	1,403	128	9	137	9.76
June	2,772	286	42	328	11.83	1,424	159	21	180	12.64	1,345	127	21	148	11.00
July	3,011	279	59	338	11.23	1,563	167	30	197	12.60	1,442	112	29	141	9.78
August	3,285	270	106	376	11.45	1,682	142	67	209	12.43	1,599	128	39	167	10.44
September	3,278	215	121	336	10.25	1,678	117	63	180	10.76	1,598	98	58	156	9.76
October	3,173	185	155	340	10.72	1,616	100	94	194	11.79	1,522	85	61	146	9.59
November	3,068	184	178	362	11.80	1,628	103	94	197	12.10	1,436	81	84	165	11 49
December	3,278	219	215	434	13.24	1,690	134	102	236	13.96	1,578	85	113	198	12.55

[a] Excluding 36 in unknown month,—18 males, 15 females, and 3 unknown sex.

EXHIBIT 4.—*The Months of Birth and of Death of Children Born in 1880 who Died Under One Year of Age.*

MONTHS OF BIRTH, 1880.	Born in 1880, Died under 1 Year of Age.	Months of Death, 1880.												Months of Death, 1881.												Per Cent. Died Aged under 1 month. a	Births in 1880, as Returned b	Per Cent. of Children who Died aged under 1 month to all Children born. c
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.			
Born in 1880, died aged under 1 Yr.	4,143	96	157	168	202	183	185	345	476	389	295	305	392	123	99	101	74	70	62	130	167	83	34	7	----	--------	35,287	----------
January	286	96	18	19	9	16	18	33	30	27	8	6	6	--	----	----	----	----	----	----	----	----	----	----	----	33.57	2,355	4.08
February	325	----	139	25	15	10	12	26	39	24	12	8	11	4	--	----	----	----	----	----	----	----	----	----	----	42.77	2,513	5.53
March	345	----	----	124	31	20	18	43	42	27	8	6	8	5	13	--	----	----	----	----	----	----	----	----	----	35.94	2,850	4.35
April	364	----	----	----	147	29	13	33	49	34	12	15	9	6	3	14	--	----	----	----	----	----	----	----	----	40.38	2,824	5.21
May	309	----	----	----	----	108	16	35	54	26	19	15	7	8	7	9	5	--	----	----	----	----	----	----	--	34.95	2,880	3.75
June	328	----	----	----	----	----	108	51	47	32	20	15	13	7	2	11	11	11	--	----	----	----	----	----	----	32.93	2,772	3.90
July	338	----	----	----	----	----	----	124	59	40	22	20	14	13	10	10	12	9	5	--	----	----	----	----	----	36.69	3,011	4.12
August	376	----	----	----	----	----	----	----	156	45	24	24	21	8	18	13	11	13	11	32	--	----	----	----	----	41.49	3,285	4.75
September	336	----	----	----	----	----	----	----	----	134	42	13	26	17	6	9	6	12	13	19	39	--	----	----	----	39.88	3,278	4.09
October	340	----	----	----	----	----	----	----	----	----	128	27	30	15	13	7	10	7	10	30	36	27	--	----	----	37.65	3,173	4.03
November	362	----	----	----	----	----	----	----	----	----	----	156	28	19	14	11	9	9	6	25	38	25	22	--	----	43.09	3,068	5.08
December	434	----	----	----	----	----	----	----	----	----	----	----	219	21	13	17	10	9	17	24	54	31	12	7	--	50.46	3,278	6.68
Deaths at each Age. No. of Deaths.	4,143	----	----	----	----	----	----	----	----	----	----	----	----	1639	392	288	274	258	207	215	157	186	185	157	185	39.56	35,287	4.64
Deaths at each Age. Ages in Months	------	----	----	----	----	----	----	----	----	----	----	----	----	-1	1	2	3	4	5	6	7	8	9	10	11	--------	--------	----------

a That is, per cent. of children who died during month of birth to total born in 1880 who died aged under one year.
b Excluding 36 in unknown month,—18 males, 15 females, and 3 of unknown sex.
c That is, of the children born in 1880, the per cent. who died during month of birth,—according to the returns of births and of deaths. It should be borne in mind that probably a larger proportion of the births and of the deaths are returned for the latter months of the year.

RELATIONS OF DEATHS OF CHILDREN TO BIRTHS, BY MONTHS.

The relation of deaths of children aged under one month to births, in 1881, is shown, by sex, and by months, in Exhibit 5. The total number of deaths under one month was 1,834, being 5.28 per cent. of the births. Of this number 5.83 per cent. were among the males, and 4.41 per cent. among the females.

EXHIBIT 5.—*The Relation, by Months, by Total, and by Sex, of the Decedents Aged under One Month to the Births in Michigan during the Year ending December 31, 1881.*

Sex, etc., specified.		Year, 1881.	Months, 1881.												
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Total	Births	34,749	2,393	2,432	2,835	2,805	2,887	2,712	3,027	3,313	3,204	3,078	2,854	3,179	30
	Deaths aged under one month.*	1,834	125	143	150	136	134	147	146	197	163	154	124	211	4
	Per Cent. of Deaths to Births	5.28	5.22	5.88	5.29	4.85	4.64	5.42	4.82	5.95	5.09	5.00	4.34	6.64	13.33
Males	Births	17,941	1,262	1,246	1,456	1,503	1,469	1,412	1,573	1,683	1,631	1,624	1,436	1,630	16
	Deaths aged under one month	1,046	70	76	93	92	72	84	86	115	89	85	71	110	3
	Per Cent. of Deaths to Births	5.83	5.55	6.10	6.39	6.12	4.90	5.95	5.47	6.83	5.46	5.23	4.94	6.75	18.75
Females	Births	16,747	1,128	1,179	1,376	1,301	1,413	1,296	1,447	1,625	1,568	1,451	1,410	1,540	13
	Deaths aged under one month	738	52	62	56	44	56	59	54	77	70	68	48	91	1
	Per Cent. of Deaths to Births	4.41	4.61	5.26	4.07	3.38	3.96	4.55	3.73	4.74	4.46	4.69	3.40	5.91	7.69
Unknown	Births	61	3	7	3	1	5	4	7	5	5	3	8	9	1
	Deaths aged under one month	50	3	5	1	--------	6	4	6	5	4	1	5	10	------

* Still-births included.

DEATHS OF CENTENARIANS.

Eight persons died in Michigan aged over one hundred years. Five of them were born in Ireland. Perhaps the most significant fact that the table shows is with reference to the time of year in which the deaths occurred, six having died in the cold months, one in May and one in September.

TABLE IX.—*Deaths Returned as having occurred in Michigan during the Year 1881, of Persons Aged One hundred Years and Over, Exhibiting certain Details concerning them included in the Returns.*

NAMES OF CENTENARIANS, 1881.	Sex.	Color.	Married, Single, or Widowed.	Birthplace.	Age.			Occupation.	Place of Death.		Date of Death, 1881.		Cause of Death.
					Years.	Months.	Days.		Town.	County.	Month.	Day.	
Hannah Wood	Female	White	Widow	Vermont	103	7	6	Farmer	Battle Cr'k.	Calhoun	September	4	Old Age.
Cornelius McVennie	Male	White	Widower	Ireland	104	3	12	Farmer	North Plains	Ionia	January	19	Old Age.
Mary Harrity	Female	White	Widow	Ireland	102		4	Unknown	Gr'd Rapids.	Kent	December	14	Old Age.
James Thibault	Male	White	Widower	Michigan	105		----	Farmer	Erin	Macomb	March	5	Old Age.
Ellen Howard	Female	White	Widow	Ireland	103		----	Unknown	Bennington.	Shiawassee	February	5	Old Age.
Timothy Kelley	Male	White	Married	Ireland	100	----	----	Farmer	Emmett	St. Clair	May	1	Debility.
Todd Cæsar	Male	Black	Married	Virginia	100	---	----	Basket-maker.	Flowerfield.	St. Joseph	November	27	Old Age.
Bridget Conely	Female	White	Widow	Ireland	103	----	----	Housewife	Taylor	Wayne	December	1	Old Age.

IBIT H.—*Counties and Townships from which no Returns of Deaths for 1881 were received by this Department, showing Population in 1880, by Sex.*

COUNTIES.	TOWNSHIPS FROM WHICH NO RETURNS OF DEATHS FOR 1881 WERE RECEIVED.	POPULATION, JUNE 1, 1880.															
		TOTAL.			COLOR OR RACE.									NATIVITY.			
					WHITE.			BLACK AND MULATTO.			INDIAN.			NATIVE.		FOREIGN.	
		Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Males.	Females.	Males.	Females.
Total		15,010	8,718	6,292	14,628			182			200			5,162	4,249	2,363	1,311
Alpena	Green[a]																
	Ossineke	244	172	72	240	168	72	4	4					77	41	95	31
Berrien	St. Joseph	3,550	1,827	1,723	3,394	1,752	1,642	156	75	81				1,447	1,413	380	310
Charlevoix	Eveline	554	309	245	554	309	245							202	183	107	62
	Marion	306	162	144	306	162	144							96	95	66	49
Chippewa	Detour	471	285	186	366			11			94						
Gladwin	Grout	516	332	184	516	332	184							179	121	153	63
Grand Traverse	East Bay	654	373	281	654	373	281							290	217	83	64
	Grant	525	325	200	525	325	200							257	162	68	38
	Paradise	555	308	247	555	308	247							253	203	55	44
Isle Royal	All Townships	55	31	24	55	31	24							18	16	13	8
Kalkaska	Garfield[a]																
	Oliver[a]																
Mackinac	Hendricks	434	294	140	409						25						
Marquette	Champion	1,482	884	598	1,481	883	598	1	1					337	320	547	278
	Crystal Falls[a]																
	Iron River[a]																
	Richmond	750	440	310	750	440	310										

Montcalm	Home	1,962	1,276	706	1,961	1,275	706	1	1					946	621	330	85
Newaygo	Grant	512	307	205	511	306	205	1	1					231	176	76	29
Oceana	Otto	148	94	54	140	88	52	8	6	2				80	47	14	7
Ogemaw	Cumming	122	91	31	122	91	31							23	15	68	16
	Damon[a]																
	West Branch[a]																
Ontonagon	Carp Lake	73	48	25	66	44	22				7	4	3	18	18	30	7
	Rockland	887	450	437	873	444	429				14	6	8	325	297	125	140
Otsego	Charlton	100	65	35	100	65	35							54	27	11	8
	Livingston	626	348	278	626	348	278							260	221	88	57
Schoolcraft	Munising	270	174	96	210						60						
	Thompson[a]																
Wexford	Henderson	194	123	71	194	123	71							69	56	54	15
	South Branch[a]																

[a] Organized since Census was taken.

TOWNSHIPS IN WHICH NO DEATHS OCCURRED.

There were thirty-two townships in which it was reported that no deaths occurred in 1881. It is probable that the increase of population will very soon greatly reduce the number of townships thus reporting. In 1876 seventy-five townships were included in the list.

EXHIBIT I.—*Counties and Townships in which it is Reported that no Deaths Occurred in 1881.*

COUNTIES.	TOWNSHIPS, NO DEATHS IN 1881.	POPULATION.			COUNTIES.	TOWNSHIPS, NO DEATHS IN 1881.	POPULATION.		
		Total.	Males.	Females.			Total.	Males.	Females.
Total	.....	6,055	3,677	2,378	Manistee	Cleon [a]	.....	.....	.....
						Marilla	166	91	75
Baraga	Arvon	100	66	34	Manitou	Chandler	407	224	183
Bay	Beaver	351	181	170		Galilee	177	100	77
Benzie	Homestead	208	100	108	Mecosta	Sheridan	207	120	87
Charlevoix	Boyne Valley	451	237	214	Midland	Greendale [a]	.....	.....	.....
	Norwood	306	156	150		Mt. Hayley	223	120	103
Cheboygan	Ellis [a]	.....	.....	.....		Warren	300	175	125
Crawford	Ball	66	33	28	Montmor'cy	Montmorency [a]	.....	.....	.....
	Grove	166	97	69	Muskegon	Blue Lake	307	173	134
	Maple Forest	80	56	24		Cedar Creek	356	194	162
Emmet	Bliss	192	105	87		Laketon	918	570	348
	Carp Lake	109	70	39	Presque I.	Bismarck	100	63	37
Iosco	Thompson	81	64	17	Roscom'on	Denton	210	162	48
Lake	Center [a]	.....	.....	.....		Gerrish	214	196	18
	Glencoe	126	91	35		Nester	234	228	6

[a] Organized since Census was taken.

TABLE X.—*Exhibiting, for the State and Counties, by Sex, the Number of Deaths Returned as having Occurred in Michigan during the Year 1881, and in each Month of the Year; also the Number of Deaths at each Period of Age.*

STATE AND COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.													AGES IN PERIODS OF YEARS, 1881.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
State	Total	19,238	1065	1078	1315	1427	1457	1276	1701	2246	2301	1941	1617	1748	66	7816	1476	822	827	968	763	616	560	512	492	508	509	574	562	649	581	718	285
	Males	10,263	552	562	732	803	737	673	921	1198	1226	997	895	927	40	4296	732	400	379	483	391	289	272	257	254	299	273	321	330	390	330	404	163
	Females	8,910	508	509	580	624	714	598	771	1038	1071	943	717	811	26	3461	744	422	448	485	372	327	288	255	238	209	236	253	232	259	251	314	116
	Unknown	65	5	7	3		6	5	9	10	4	1	5	10	..	59	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6
Alcona	Total	12	....	....	....	....	1	....	1	....	....	6	....	4	..	6	2	....	1	1	....	....	....	....	....	....	1	....	....	....	1	....	....
	Males	7	....	....	....	....	1	....	1	....	....	2	....	3	..	2	2	....	1	....	....	....	....	....	....	....	1	....	....	....	1	....	....
	Females	5	....	....	....	....	....	....	....	....	....	4	....	1	..	4	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Allegan	Total	412	25	25	18	29	32	27	29	55	57	45	40	30	..	153	29	12	18	20	16	11	12	13	8	18	14	16	13	18	16	23	2
	Males	215	16	12	11	17	18	15	14	26	28	24	19	15	..	82	18	6	4	6	6	6	7	5	6	12	2	11	7	11	10	16	....
	Females	197	9	13	7	12	14	12	15	29	29	21	21	15	..	71	11	6	14	14	10	5	5	8	2	6	12	5	6	7	6	7	2
Alpena	Total	114	5	9	7	12	7	5	14	17	11	9	10	7	1	71	4	2	2	3	6	1	1	4	3	2	1	2	2	2	2	2	4
	Males	74	3	6	5	11	2	3	11	11	9	4	5	3	1	45	3	2	1	....	3	1	1	1	2	2	1	2	2	2	1	1	4
	Females	40	2	3	2	1	5	2	3	6	2	5	5	4	..	26	1	....	1	3	3	....	....	3	1	....	....	....	....	....	1	1	....
Antrim	Total	75	2	5	4	3	11	3	6	7	6	6	12	10	..	29	7	5	2	2	4	4	4	1	4	2	4	1	....	2	1	2	1
	Males	35	2	2	2	1	7	3	4	3	2	4	3	2	..	13	5	2	2	1	2	1	2	....	2	....	2	....	....	1	....	1	1
	Females	40	....	3	2	2	4	....	2	4	4	2	9	8	..	16	2	3	....	1	2	3	2	1	2	2	2	1	....	1	1	1	....

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1881.*

COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.													AGES IN PERIODS OF YEARS, 1881.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Baraga	Total	18	--	2	4	3	1	1	1	2	----	----	1	3	--	8	----	1	1	1	----	3	----	2	----	1	1	--	--	--	--	--	--
	Males	7	--	----	2	----	----	1	1	1	----	----	--	2	--	3	----	----	----	1	----	1	----	1	----	1	----	--	--	--	--	--	--
	Females	11	--	2	2	3	1	----	----	1	----	----	1	1	--	5	----	1	1	----	--	2	----	1	----	----	1	--	--	--	--	--	--
Barry	Total	290	7	11	17	18	24	14	23	43	53	37	24	19	--	108	41	20	13	11	6	5	8	7	4	7	7	9	9	9	15	10	1
	Males	126	2	7	6	7	11	8	11	18	23	19	4	10	--	50	18	8	6	4	2	1	2	3	3	3	3	5	4	4	5	5	--
	Females	164	5	4	11	11	13	6	12	25	30	18	20	9	--	58	23	12	7	7	4	4	6	4	1	4	4	4	5	5	10	5	1
Bay	Total	541	22	28	32	41	41	37	78	63	53	65	40	41	--	275	58	33	23	33	20	18	7	18	16	7	9	6	8	3	3	4	--
	Males	305	14	11	19	24	23	19	45	38	31	31	29	21	--	152	35	16	11	22	13	8	2	14	8	2	7	5	5	2	1	2	--
	Females	236	8	17	13	17	18	18	33	25	22	34	11	20	--	123	23	17	12	11	7	10	5	4	8	5	2	1	3	1	2	2	--
Benzie	Total	65	4	6	2	1	5	3	2	4	17	9	5	7	--	22	2	----	5	7	7	1	----	1	3	1	1	2	2	3	--	1	7
	Males	33	2	2	----	1	1	3	----	2	12	4	4	2	--	10	1	----	1	2	4	1	----	1	1	----	----	2	2	2	--	--	6
	Females	32	2	4	2	----	4	--	2	2	5	5	1	5	--	12	1	----	4	5	3	----	----	----	2	1	1	--	--	1	--	1	1
Berrien	Total	307	26	11	21	28	29	18	19	29	36	33	24	27	3	97	10	9	15	17	10	9	9	12	12	9	16	17	6	16	14	18	11
	Males	150	11	8	11	14	13	11	11	18	14	9	14	15	1	53	6	3	6	8	2	4	2	7	4	6	8	5	3	11	8	8	6
	Females	156	14	6	10	14	16	7	8	11	22	24	10	12	2	43	4	6	9	9	8	5	7	5	8	3	8	12	3	5	6	10	5
	Unknown	1	1	----	----	----	----	--	----	----	----	----	--	----	--	1	----	--	----	----	----	----	----	--	----	----	----	--	--	--	--	--	--

Branch	Total	255	10	10	21	27	19	9	20	31	34	28	30	13	..	61	5	4	11	12	12	10	7	16	9	11	9	6	16	19	18	18	11
	Males	157	5	4	13	22	10	2	15	19	23	16	19	9	..	40	3	2	4	4	10	7	1	8	5	7	3	5	13	13	12	12	8
	Females	98	5	6	8	5	9	7	5	15	11	12	11	4	..	21	2	2	7	8	2	3	6	8	4	4	6	1	3	6	6	6	3
Calhoun	Total	426	24	23	41	38	36	21	31	53	52	43	32	32	..	118	15	10	18	32	13	16	13	13	12	14	23	11	16	29	29	29	5
	Males	223	12	14	16	23	20	9	18	27	31	17	16	20	..	66	8	4	9	18	1	5	5	4	5	10	13	14	9	18	15	18	1
	Females	196	12	8	25	15	15	11	12	25	20	26	15	12	..	45	7	6	9	14	12	11	8	9	7	4	10	7	7	11	14	11	4
	Unknown	7	....	1	..	....	1	1	1	1	1	....	1	..	..	7	....	....		....	....	..	..	....	....	..	..	..	..	..	..	..	..
Cass	Total	176	8	8	16	14	13	13	15	15	21	23	17	12	1	61	4	4	5	5	8	11	2	7	5	6	5	7	14	6	13	11	2
	Males	85	2	5	11	5	7	7	8	8	8	10	8	5	1	29	3	3	3	....	3	4	..	5	1	4	1	3	8	4	7	7	..
	Females	91	6	3	5	9	6	6	7	7	13	13	9	7	..	32	1	1	2	5	5	7	2	2	4	2	4	4	6	2	6	4	2
Charlevoix	Total	54	2	1	2	6	4	2	2	10	9	3	6	7	..	26	4	1	5	2	1	1	..	2	....	2	1	1	1	1	1	2	3
	Males	27	....	..	1	3	3	..	2	6	4	2	3	3	..	14	2	....		2	1	..	..	....	....	2	..	1	1	..	1	..	3
	Females	27	2	1	1	3	1	2	..	4	5	1	3	4	..	12	2	1	5	....	....	1	..	2	....	..	1	..	..	1	..	2	..
Cheboygan	Total	109	....	7	6	6	5	6	10	16	14	12	13	14	..	60	11	6	4	4	3	4	2	2	2	1	..	2	2	..	..	1	5
	Males	59	....	4	6	4	2	4	8	9	6	5	5	6	..	32	7	2		1	2	3	1	....	1	..	..	2	2	..	..	1	4
	Females	50	....	3	..	2	3	2	2	7	8	7	8	8	..	28	4	4	3	3	1	1	1	2	1	1	..	..	..	..	..	..	1
Chippewa	Total	10	....	1	1	2	....	..	..	2	..	1	3	..	..	5	....	....		....	....	1	..	....	....	..	1	..	1	1	..	..	..
	Males	5	....	1	..		....	..	..	..	..	1	3	..	..	3	....	....		....	....	1	..	....	....	..	..	..	..	1	..	..	..
	Females	5	....	....	1	2	....	..	..	2	..	....	....	..	..	2	....	....		....	....	..	..	....	....	..	1	..	1	..	..	..	..
Clare	Total	66	1	6	4	9	5	7	7	5	5	5	2	5	5	19	7	10	2	3	3	2	2	....	3	..	1	3	2	..	..	2	7
	Males	33	1	2	1	6	3	3	2	3	1	3	1	2	5	12	2	5		2	1	1	..	....	1	..	..	2	1	..	..	1	5
	Females	33	....	4	3	3	2	4	5	2	4	2	1	3	..		5	5	2	1	2	1	2	....	2	..	1	1	1	..	..	1	2
Clinton	Total	276	13	6	17	26	29	16	21	41	27	34	32	14	..	96	18	22	11	16	14	10	3	7	8	11	7	5	8	12	11	14	3
	Males	131	5	....	7	11	15	8	13	20	13	17	17	5	..	5	11	9	4	5	8	2	1	4	3	5	3	3	4	7	3	6	2
	Females	145	8	6	10	15	14	8	8	21	14	17	15	9	..	45	7	13	7	11	6	8	2	3	5	6	4	2	4	5	8	8	

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1881.*

COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.													AGES IN PERIODS OF YEARS, 1881.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Crawford	Total	16	..	1	....	....	....	5	2	3	1	....	1	3	..	7	2	2	1	2	1	1	....	....	....	....	....	..	..	..	..	..	..
	Males	7	..	....	....	....	....	....	2	1	1	....	1	2	..	3	1	2	....	1	....	....	....	....	....	....	....	..	..	..	..	..	..
	Females	9	..	1	....	....	....	5	....	2	....	....	....	1	..	4	1	....	1	1	1	1	....	....	....	....	....	..	..	..	..	..	..
Delta	Total	83	8	4	2	2	1	5	9	13	9	12	8	10	..	40	10	3	4	4	3	6	3	1	....	2	2	..	..	..	1	..	4
	Males	45	2	2	1	2	1	2	5	5	4	8	7	6	..	24	5	1	4	2	1	2	2	1	....	1	2	..	..	..	..	..	..
	Females	34	6	2	1	....	....	3	4	4	5	4	1	4	..	16	5	2	....	2	2	4	1	....	....	1	....	..	..	..	1	..	..
	Unknown	4	..	....	....	....	....	....	....	4	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	4
Eaton	Total	356	24	22	25	23	21	21	21	50	50	39	31	29	..	138	27	13	14	13	16	13	11	10	6	12	6	19	11	16	13	13	5
	Males	172	13	7	13	11	9	13	11	31	24	16	12	12	..	72	13	9	4	7	9	2	3	4	1	6	4	8	5	9	7	7	2
	Females	184	11	15	12	12	12	8	10	19	26	23	19	17	..	66	14	4	10	6	7	11	8	6	5	6	2	11	6	7	6	6	3
Emmet	Total	79	8	10	5	2	3	4	5	7	9	11	5	10	..	43	7	2	3	4	2	4	1	1	1	1	1	..	..	2	2	2	3
	Males	44	4	4	3	1	2	2	3	4	3	7	2	9	..	26	3	....	2	3	....	1	1	1	....	1	1	..	..	1	1	1	2
	Females	35	4	6	2	1	1	2	2	3	6	4	3	1	..	17	4	2	1	1	2	3	....	....	1	....	....	..	..	1	1	1	1
Genesee	Total	409	17	23	21	32	47	36	24	39	50	42	36	40	2	130	27	18	18	16	22	17	7	11	11	14	12	15	22	18	15	31	5
	Males	208	8	11	11	16	21	17	13	23	23	27	17	20	1	64	13	11	8	6	9	9	4	4	5	11	8	7	11	10	10	15	3
	Females	201	9	12	10	16	26	19	11	16	27	15	19	20	1	66	14	7	10	10	13	8	3	7	6	3	4	8	11	8	5	16	2

Gladwin	Total	10	3	..	..	..	3	..	..	1	1	..	..	1	1	1	....	..	..	..	1	..	3	..	....	2	1	1	..	..	..	..	1
	Males	5	1	..	..	..	2	..	..	..	..	..	..	1	1	....	....	..	..	..	..	..	3	..	....	....	1	..	..	..	..	..	1
	Females	4	2	..	..	..	..	..	..	1	1	..	..	..	..	....	....	..	..	..	1	..	..	..	....	2	..	1	..	..	..	..	..
	Unknown	1	..	..	..	..	1	..	..	..	..	..	..	..	..	1	....	..	..	..	..	..	..	..	....	....	..	..	..	..	..	..	..
Gr. Traverse	Total	70	2	3	1	8	5	2	6	7	8	11	10	7	..	27	9	4	6	4	3	..	4	1	3	....	..	..	1	3	2	3	..
	Males	36	..	1	1	5	2	..	4	2	3	6	7	5	..	12	5	2	4	2	1	..	2	1	2	....	..	..	1	1	1	2	..
	Females	34	2	2	..	3	3	2	2	5	5	5	3	2	..	15	4	2	2	2	2	..	2	..	1	....	..	..	..	2	1	1	..
Gratiot	Total	212	14	13	22	15	11	16	19	25	20	15	21	15	3	96	17	9	13	7	11	4	8	7	4	3	6	4	1	10	7	4	1
	Males	109	7	7	11	9	4	12	8	11	9	8	13	8	2	46	13	5	7	4	4	2	3	2	....	3	3	2	1	6	5	3	..
	Females	102	7	5	11	6	7	4	11	14	11	7	11	7	1	49	4	4	6	3	7	2	5	5	4	....	3	2	..	4	2	1	1
	Unknown	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	..	..	..	..	..	..	..	....	....	..	..	..	..	..	..	..
Hillsdale	Total	372	27	30	27	37	25	17	18	30	45	46	33	31	6	75	22	12	19	19	15	8	11	18	14	12	9	30	23	25	21	35	4
	Males	208	16	13	15	18	11	9	10	21	25	27	21	18	4	48	16	6	5	12	8	1	3	9	5	6	4	20	11	15	16	19	4
	Females	164	11	17	12	19	14	8	8	9	20	19	12	13	2	27	6	6	14	7	7	7	8	9	9	6	5	10	12	10	5	16	..
Houghton	Total	243	7	10	20	12	19	21	24	49	20	22	19	20	..	179	5	7	9	7	4	3	5	2	4	5	1	1	3	2	2	2	2
	Males	131	5	4	14	9	9	11	9	24	13	10	12	11	..	95	3	5	4	3	3	2	4	1	4	4	1	..	1	1	..	..	..
	Females	112	2	6	6	3	10	10	15	25	7	12	7	9	..	84	2	2	5	4	1	1	1	1	....	1	..	1	2	1	2	2	2
Huron	Total	242	10	8	14	8	17	13	19	16	77	29	15	16	..	103	30	17	12	7	8	7	4	7	2	2	5	6	5	7	9	9	2
	Males	116	3	5	6	4	9	7	10	10	39	14	5	4	..	54	14	6	6	2	2	4	1	5	2	....	1	3	1	5	3	6	1
	Females	125	7	3	8	4	8	6	9	6	38	15	10	11	..	48	16	11	6	5	6	3	3	2	....	2	4	3	4	2	6	3	1
	Unknown	1	..	....	....	....	....	....	..	....	....	....	..	1	..	1	....	....	....	..	..	..	....	....	....	....	..	..	..	..	..	..	..
Ingham	Total	298	17	13	16	28	15	13	21	39	37	46	25	28	..	89	18	16	15	11	13	15	9	12	7	9	10	17	24	9	9	11	4
	Males	147	10	9	9	14	6	4	9	16	20	26	9	15	..	42	10	9	6	4	5	3	3	4	5	6	4	11	12	8	7	7	1
	Females	150	7	4	7	14	9	9	12	23	17	20	5	13	..	46	8	7	9	7	8	12	6	8	2	3	6	6	12	1	2	4	3
	Unknown	1	..	....	....	....	....	....	....	....	....	....	1	....	..	1	....	....	....	..	..	..	..	..	....	....	..	..	..	..	..	..	..

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1881.*

COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.													AGES IN PERIODS OF YEARS, 1881.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Ionia	Total	300	16	13	13	14	29	18	29	30	36	44	29	29	..	101	28	23	12	19	11	12	10	5	3	15	7	13	7	13	9	11	1
	Males	154	10	7	9	9	8	9	18	14	20	19	21	10	..	55	13	12	4	9	8	5	2	2	3	8	4	9	4	7	5	4	..
	Females	145	6	6	4	5	21	8	11	16	16	25	8	19	..	45	15	11	8	10	3	7	8	3	....	7	3	4	3	6	4	7	1
	Unknown	1	....	....	....	....	....	1	....	....	....	....	....	....	..	1	....	..	....	....	....	..	....	....	....	....	....	..	.	..	.	..	..
Iosco	Total	174	4	4	7	11	13	16	28	21	26	16	14	9	5	92	34	8	8	5	3	5	5	2	2	1	1	..	2	..	2	1	8
	Males	90	3	4	7	7	7	7	14	12	9	7	6	4	3	46	16	4	5	3	2	2	3	2	1	1	....	..	2	..	1	1	1
	Females	84	1	....	....	4	6	9	14	9	17	9	8	5	2	46	18	4	3	2	1	3	2	....	1	....	1	..	.	..	1	..	2
Isabella	Total	176	4	10	13	18	9	5	20	14	27	20	23	13	..	81	22	10	9	9	8	2	3	3	2	5	2	3	2	3	4	3	5
	Males	91	2	4	5	13	7	3	10	7	12	11	10	7	..	44	7	7	6	4	....	2	1	1	2	2	1	2	2	1	3	3	3
	Females	85	2	6	8	5	2	2	10	7	15	9	13	6	..	37	15	3	3	5	8	..	2	2	....	3	1	1	.	2	1	..	2
Isle Royal.*		.....	....	....	....	....	....	....	....	....	....	....	....	....	..	....	....	..	....	....	....	..	....	....	....	....	....	..	.	..	..	..	..
Jackson	Total	407	25	28	20	30	29	27	54	44	37	52	32	31	..	159	28	9	10	18	16	13	19	10	7	9	15	16	18	14	19	24	3
	Males	225	12	13	10	19	11	18	31	23	24	28	20	16	..	87	15	2	9	7	12	6	7	7	2	5	13	4	10	14	11	13	1
	Females	182	13	13	10	11	18	9	23	21	13	24	12	15	..	72	13	7	1	11	4	7	12	3	5	4	2	12	8	..	8	11	2
Kalamazoo	Total	437	32	25	25	34	32	27	33	48	52	45	39	44	1	132	43	20	18	25	11	12	24	15	22	8	20	8	15	23	15	22	4
	Males	221	18	11	18	15	18	12	15	26	27	20	20	21	..	75	15	9	8	10	4	6	12	10	7	5	8	6	7	12	10	14	3
	Females	216	14	14	7	19	14	15	18	22	25	25	19	23	1	57	28	11	10	15	7	6	12	5	15	3	12	2	8	11	5	8	1

Kalkaska	Total	33	1	--	*	2	1	5	4	6	4	5	5	4	--	16	3	2	2	3	2	1	1	--	1	1	2	2	1	--	--	--	1
	Males	20	--	--	--	1	--	2	2	3	3	5	3	1	--	9	--	1	--	1	2	1	--	--	1	1	2	2	--	--	--	--	--
	Females	18	1	--	1	1	1	3	2	3	1	--	2	3	--	7	3	1	2	2	--	--	1	--	--	--	--	--	1	--	--	--	1
Kent	Total	1,022	47	53	71	75	83	67	114	123	102	94	88	105	--	478	112	42	43	38	31	20	25	18	29	25	26	32	32	15	20	27	9
	Males	549	31	27	42	41	37	34	59	65	54	49	53	57	--	265	58	24	18	19	12	14	14	7	13	13	17	21	18	7	9	14	6
	Females	472	16	26	29	34	46	33	54	58	48	45	35	48	--	212	54	18	25	19	19	6	11	11	16	12	9	11	14	8	11	13	3
	Unknown	1	--	--	--	--	--	--	1	-	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Keweenaw	Total	122	10	7	13	12	16	8	5	18	14	7	6	6	--	68	5	5	2	4	5	7	4	1	1	2	--	3	1	3	1	1	9
	Males	67	5	4	7	8	6	6	--	11	10	4	4	2	--	39	3	1	1	2	2	2	1	1	1	1	--	2	--	1	1	--	9
	Females	51	5	3	4	4	10	1	4	7	4	3	2	4	--	25	2	4	1	2	3	5	3	--	--	1	--	1	1	2	--	1	--
	Unknown	4	--	--	2	--	--	1	1	-	--	--	--	--	--	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lake	Total	48	1	1	3	4	6	7	3	-	7	7	2	5	2	21	5	5	2	1	3	1	1	--	2	1	--	--	--	2	1	--	3
	Males	29	1	1	1	3	5	3	2	-	4	3	1	4	1	12	1	4	1	1	3	1	--	--	2	1	--	--	--	1	--	--	2
	Females	19	--	--	2	1	1	4	1	-	3	4	1	1	1	9	4	1	1	--	--	--	1	--	--	--	--	--	--	1	1	--	1
Lapeer	Total	206	14	22	22	31	21	11	21	43	39	29	25	24	1	128	16	9	17	14	16	6	12	9	6	7	15	8	4	10	9	15	5
	Males	154	3	11	13	19	12	8	7	20	18	14	17	12	--	72	6	4	7	8	11	1	6	5	1	5	7	1	3	5	2	6	4
	Females	151	11	10	9	15	9	3	14	23	21	15	8	12	1	55	10	5	10	6	5	5	6	4	5	2	8	7	1	5	7	9	1
	Unknown	1	--	1	--	--	--	--	--	-	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Leelanaw	Total	95	7	3	--	2	5	4	3	4	4	10	32	22	--	29	9	14	6	6	7	1	7	1	2	1	--	1	4	4	2	1	1
	Males	56	4	1	--	1	3	3	2	1	3	5	19	14	--	19	4	7	2	5	4	1	6	--	--	--	--	--	2	4	2	--	--
	Females	39	3	2	--	1	2	1	1	3	1	5	13	7	--	9	5	7	4	1	3	--	1	1	2	1	--	1	2	--	--	1	1
	Unknown	1	--	--	--	--	--	--	--	-	--	--	--	1	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lenawee	Total	415	21	25	42	24	37	24	27	49	46	50	32	37	1	114	22	4	20	22	15	15	13	12	17	14	11	21	15	31	33	32	4
	Males	216	14	16	19	10	15	17	16	27	20	22	19	21	--	69	10	2	8	12	9	10	5	3	8	4	4	10	8	17	22	15	--
	Females	198	7	9	23	14	22	7	11	22	26	28	13	15	1	44	12	2	12	10	6	5	8	9	9	10	7	11	7	14	11	17	4
	Unknown	1	--	--	--	--	--	--	--	--	--	--	--	1	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

* No returns from the county clerk to the State Department.

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1881.*

COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.													AGES IN PERIODS OF YEARS, 1881.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Livingston..	Total.....	259	15	9	22	13	25	19	12	31	34	28	24	27	..	83	17	8	12	13	7	5	6	5	3	8	15	15	14	16	7	20	5
	Males.....	137	8	4	9	7	11	7	8	18	15	17	16	17	..	51	7	2	5	5	2	2	2	3	....	5	6	7	7	13	5	12	3
	Females..	122	7	5	13	6	14	12	4	13	19	11	8	10	..	32	10	6	7	8	5	3	4	2	3	3	9	8	7	3	2	8	2
Mackinac....	Total.....	19	....	2	6	1	2	1	1	....	1	3	1	1	..	6	1	....	1	3	1	....	2	3	....	1	1	..	..	..	..	..	..
	Males.....	10	....	....	4	1	1	....	1	....	1	1	....	1	..	3	....	....	....	1	1	....	1	2	....	1	1	..	..	..	..	..	..
	Females..	9	....	2	2	....	1	1	....	....	....	2	1	....	..	3	1	....	1	2	....	....	1	1	....	....	....	..	..	..	..	..	..
Macomb.....	Total.....	305	16	9	15	33	21	12	29	44	46	20	34	26	..	112	19	12	12	12	10	6	7	7	11	8	14	15	10	20	12	18	..
	Males.....	187	9	4	8	21	12	7	18	29	27	13	23	16	..	73	10	7	4	6	6	5	2	6	6	4	9	8	6	15	7	13	..
	Females..	118	7	5	7	12	9	5	11	15	19	7	11	10	..	39	9	5	8	6	4	1	5	1	5	4	5	7	4	5	5	5	..
Manistee....	Total.....	181	5	6	13	8	7	16	18	26	27	15	22	17	1	109	8	4	3	11	6	5	8	3	3	5	6	1	2	3	1	..	3
	Males.....	100	3	2	9	4	4	9	12	13	18	6	12	7	1	63	5	2	2	5	4	4	2	3	3	2	....	..	1	1	..	..	3
	Females..	81	2	4	4	4	3	7	6	13	9	9	10	10	..	46	3	2	1	6	2	1	6	....	....	3	6	1	1	2	1	..	..
Manitou.....	Total.....	5	....	....	2	....	....	....	1	....	1	....	....	1	..	2	....	....	....	....	....	....	....	....	....	....	....	..	1	1	..	1	..
	Males.....	1	....	....	....	....	....	....	....	....	1	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	..	1	..	..	..	..
	Females..	4	....	....	2	....	....	....	1	....	....	....	....	1	..	2	....	....	....	....	....	....	....	....	....	....	....	..	..	1	..	1	..
Marquette..	Total.....	406	23	18	13	21	24	37	33	70	66	25	29	45	1	245	26	8	16	27	17	8	12	10	10	4	4	5	4	4	2	4	..
	Males.....	238	16	11	7	17	12	24	23	31	47	11	16	23	..	129	14	3	12	20	14	3	12	5	7	4	3	2	4	2	1	3	..
	Females..	156	6	6	6	5	11	12	8	38	18	14	12	19	1	104	12	5	4	7	3	5	....	5	3	....	1	3	..	2	1	1	..
	Unknown	12	1	1	....	....	1	1	2	1	1	....	1	3	..	12	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..

Mason	Total	184	15	9	15	11	15	15	17	22	17	16	13	16	3	88	31	16	12	4	2	3	2	2	....	2	1	2	5	1	4	3	6
	Males	93	5	3	9	4	7	10	9	10	9	9	8	8	2	48	16	5	6			1	2		....	1	..	1	3	1	2	2	2
	Females	91	10	6	6	7	8	5	8	12	8	7	5	8	1	40	15	11	6	3		2	..		....	1	1	1	2	..	2	1	4
Mecosta	Total	297	14	20	18	31	20	14	24	27	42	35	16	36	..	112	54	34	17	20	12	10	6	2	5	5	2	4	5	2	3	2	2
	Males	163	3	9	6	19	10	9	13	13	26	20	13	22	..	65	24	15	10	11	7	6	4	2	4	2	1	3	5	1	1	1	1
	Females	134	11	11	12	12	10	5	11	14	16	15	3	14	..	47	30	19	7	9	5	4	2		1	3	1	1	.	1	2	1	1
Menominee	Total	150	9	7	11	16	6	14	17	21	19	13	7	10	..	85	9	1	4	5	9	4	6		2	1	2	2	.	..	1	.	18
	Males	95	3	5	7	11	2	8	9	15	10	13	6	6	..	47	7	1	2	4	8	4	3		2	....	2	2	.	..	1	..	11
	Females	54	6	1	4	5	4	6	8	6	9	....	1	4	..	38	2	..	2			....	3		....	1	..	..	.	..	..	..	6
	Unknown	1	....	1	....	..	..	..	..	..	....	....	..	....	..	..	..	..	..			....	.		....	....	..	..	.	..	..	..	1
Midland	Total	83	4	1	4	6	8	6	12	8	9	9	4	10	2	32	9	4	1	3	3	1	5	3	....	4	..	1	2	..	1	3	11
	Males	46	....	1	1	4	5	3	8	4	4	6	3	6	1	19	6	..	1	2		....	2		....	2	..	1	2	..	1	1	6
	Females	36	4	....	3	2	3	3	3	4	5	3	1	4	1	12	3	4	..		2	1	3		....	2	..	..	.	..	..	2	5
	Unknown	1	....	....	....	..	..	..	1	..	....	....	..	....	..	1	..	..	..			....	.		....	....	..	..	.	..	..	..	..
Missaukee	Total	27	....	4	2	..	2	2	2	6	1	1	3	3	1	13	..	3	..	3	2	....	2		....	....	1	..	1	1	..	..	1
	Males	15	....	3	1	..	..	1	1	3	....	....	2	3	1	8	..	1	..	2		....	2		....	....	..	..	.	..	..	..	1
	Females	11	....	1	1	..	2	1	1	3	1	1	..	....	..	4	..	2	..			....	.		....	....	1	..	1	1	..	..	..
	Unknown	1	....	....	....	..	..	..	..	..	....	....	1	....	..	1	..	..	..			....	.		....	....	..	..	.	..	..	..	..
Monroe	Total	346	16	22	23	21	15	24	23	47	41	47	23	44	..	138	13	11	13	14	15	9	8	14	11	11	17	8	12	22	16	12	2
	Males	170	7	8	12	8	4	15	15	20	22	27	10	22	..	70	5	6	6	4	2	4	2	7	6	5	10	5	6	12	11	8	1
	Females	175	9	14	11	13	11	9	8	27	19	20	13	21	..	67	8	5	7	10	13	5	6		5	6	7	3	6	10	5	4	1
	Unknown	1	....	....	....	..	..	..	..	..	....	....	..	1	..	1	..	..	..			....	....		....	....	..	..	.	..	..	..	..

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1881.*

COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.													AGES IN PERIODS OF YEARS, 1881.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Montcalm	Total	396	10	21	40	40	38	17	34	50	34	37	32	40	3	169	41	23	14	30	19	18	11	11	7	8	5	8	8	5	7	10	2
	Males	223	7	12	18	24	28	8	20	30	21	14	18	21	2	98	15	13	7	18	12	9	6	5	5	7	5	3	4	3	5	8	..
	Females	172	3	9	22	16	10	9	14	19	13	23	14	19	1	70	26	10	7	12	7	9	5	6	2	1	....	5	4	2	2	2	2
	Unknown	1	....	....	....	....	....	....	....	1	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Montmo'cy	Total	5	1	....	1	....	....	....	....	1	....	1	....	1	..	3	1	....	....	....	....	....	....	....	....	....	1	..	..	..	..	..	..
	Males	3	1	....	....	....	....	....	....	1	....	1	....	....	..	2	1	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
	Females	2	....	....	1	....	....	....	....	....	....	....	....	1	..	1	....	....	....	....	....	....	....	....	....	....	1	..	..	..	..	..	..
Muskegon	Total	462	17	13	17	22	25	38	57	66	68	59	38	35	1	252	48	20	17	15	19	19	13	8	6	10	3	10	3	3	4	1	11
	Males	245	7	7	10	9	16	19	29	32	45	30	22	18	1	139	24	11	6	5	11	7	3	5	4	7	3	5	2	1	2	1	9
	Females	214	10	12	7	13	9	18	27	34	23	29	16	16	..	110	24	9	11	10	8	12	10	3	2	3	....	5	1	2	2	..	2
	Unknown	3	....	....	....	....	....	1	1	....	....	....	....	1	..	3	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Newaygo	Total	165	13	13	6	11	16	11	14	14	25	22	10	10	..	61	17	20	9	12	5	7	6	2	4	6	2	7	1	1	..	2	3
	Males	83	6	7	4	5	9	5	6	7	10	15	4	5	..	36	7	10	4	5	1	2	3	1	2	3	....	5	..	1	.	1	2
	Females	82	7	6	2	6	7	6	8	7	15	7	6	5	..	25	10	10	5	7	4	5	3	1	2	3	2	2	1	..	..	1	1
Oakland	Total	390	15	26	32	37	41	24	27	38	50	36	32	28	4	88	11	12	20	27	18	14	11	15	10	14	16	23	29	18	16	34	14
	Males	213	9	12	18	18	22	15	17	24	23	18	18	16	3	47	4	8	10	15	12	7	9	6	4	8	11	11	13	12	7	20	9
	Females	174	6	13	13	19	19	9	9	14	27	18	14	12	1	39	7	4	10	12	6	7	2	9	6	6	5	12	16	6	9	14	4
	Unknown	3	....	1	1	....	....	....	1	....	....	....	....	....	..	2	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	1

Oceana	Total	166	11	11	16	12	12	13	23	14	26	18	5	5	..	82	18	10	6	8	8	2	3	3	4	4	1	4	2	2	4	4	1
	Males	78	6	9	8	7	3	6	9	6	12	9	1	2	..	44	7	3	3	4	1	1	1	1	1	3	.	3	2	2	..	1	1
	Females	88	5	2	8	5	9	7	14	8	14	9	4	3	..	38	11	7	3	4	7	1	2	2	3	1	1	1	.	..	4	3	..
Ogemaw	Total	25	1	..	1	1	.	3	2	1	2	3	2	4	5	14	.	..	1	1	.	1	1	....	.	.	1	.	2	2	..	..	2
	Males	13	..	..	..	.	.	1	....	..	2	3	2	3	2	7	.	..	1	.	.	..	1	....	.	.	1	.	1	2	..	..	..
	Females	12	1	..	1	1	.	2	2	1	..	..	....	1	3	7	.	..	.	1	.	1	..	....	.	.	.	.	1	..	..	..	2
Ontonagon	Total	19	..	2	1	.	1	..	1	1	3	2	5	3	..	7	1	1	1	1	.	..	..	....	2	..	.	2	1	1	..	1	1
	Males	15	..	2	1	.	1	..	1	1	2	1	3	3	..	7	.	..	.	1	.	..	..	....	2	..	.	1	1	1	..	1	1
	Females	4	..	..	..	.	.	..	....	..	1	1	2	....	..	....	1	1	1	.	.	..	..	....	.	..	.	1	.	..	..	..	..
Osceola	Total	127	6	4	9	13	8	14	17	18	13	11	6	8	..	64	8	4	3	9	5	8	2	1	2	1	1	8	1	3	2	1	4
	Males	61	5	1	2	8	3	7	8	7	6	7	3	4	..	35	4	3	1	3	.	4	1	1		1	.	3	1	2	..	..	2
	Females	66	1	3	7	5	5	7	9	11	7	4	3	4	..	29	4	1	2	6	5	4	1	....	2	..	1	5	.	1	2	1	2
Oscoda	Total	11	..	..	..	.	.	..	3	3	1	..	3	1	..	5	3	..	1	1	.	1	..	....	.	..	.	.	.	..	..	..	..
	Males	5	..	..	..	.	.	..	1	1	1	..	1	1	..	2	2	..	1	.	.	..	..	....	.	..	.	.	.	..	..	..	..
	Females	6	..	..	..	.	.	..	2	2	..	..	2	....	..	3	1	..	.	1	.	1	..	....	.	..	.	.	.	..	..	..	..
Otsego	Total	23	1	3	3	.	1	4	1	3	3	3	1	....	..	14	1	..	.	.	.	1	..	....	1	..	.	3	.	..	..	2	1
	Males	12	..	2	2	.	.	4	....	3	..	..	1	....	..	8	.	..	.	.	.	1	..	....	.	..	.	.	.	..	..	2	1
	Females	11	1	1	1	.	1	..	1	..	3	3	....	....	..	6	1	..	.	.	.	..	..	....	1	..	.	3	.	..	..	..	..
Ottawa	Total	420	26	20	14	33	36	30	23	63	39	41	41	52	2	181	37	16	21	20	12	12	10	12	6	8	18	9	8	11	14	20	5
	Males	241	14	11	10	18	21	16	15	32	23	22	27	30	2	103	18	8	12	8	7	10	4	8	3	5	15	6	6	8	6	11	3
	Females	175	11	8	4	15	13	14	8	31	16	19	14	22	..	74	19	8	9	12	5	2	6	4	3	3	3	3	2	3	8	9	2
	Unknown	4	1	1	..	.	2	..	....	..	..	..	....	....	..	4	.	..	..	.	.	..	..	....	.	..	.	..	.	..	..	..	..

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1881.*

COUNTIES.	SEX.	YEAR, 1881.	MONTHS, 1881.													AGES IN PERIODS OF YEARS, 1881.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Presq'e Isle	Total	38	1	1	2	5	3	4	2	2	7	2	2	7	..	17	5	2	1	1	1	....	1	2	1	1	....	1	1	2	..	..	2
	Males	22	....	....	1	3	2	3	1	1	4	1	2	4	..	11	2	1	1	....	1	....	1	1	....	1	....	..	1	2	..	..	..
	Females	16	1	1	1	2	1	1	1	1	3	1	....	3	..	6	3	1	..	1	....	....	..	1	1	....	....	1	..	..	..	..	2
Roscommon	Total	12	....	2	....	1	1	1	1	1	2	....	....	3	..	8	....	....	1	....	1	2	..	....	....	....	....	..	..	..	..	..	..
	Males	8	....	....	....	1	1	1	1	1	....	....	....	3	..	4	....	....	1	....	1	2	..	....	....	....	....	..	..	..	..	..	..
	Females	4	....	2	....	....	..	....	....	....	2	....	....	....	..	4	....	....	..	....	....	....	..	....	....	....	....	..	..	..	..	..	..
Saginaw	Total	957	72	83	91	65	81	62	99	99	64	75	72	94	..	404	77	46	34	54	53	43	35	29	36	21	23	21	21	15	19	18	8
	Males	557	36	56	56	43	49	36	48	61	35	42	40	55	..	239	36	22	15	39	36	26	20	12	19	14	9	14	15	8	12	15	6
	Females	400	36	27	35	22	32	26	51	38	29	33	32	39	..	165	41	24	19	15	17	17	15	17	17	7	14	7	6	7	7	3	2
Sanilac	Total	298	14	18	20	17	16	15	21	26	88	22	14	27	..	117	29	22	20	13	15	8	10	8	10	17	2	5	5	4	4	7	2
	Males	146	7	7	16	10	5	6	9	10	45	9	6	16	..	56	13	12	7	7	6	1	3	5	6	11	1	4	4	2	4	3	1
	Females	152	7	11	4	7	11	9	12	16	43	13	8	11	..	61	16	10	13	6	9	7	7	3	4	6	1	1	1	2	..	4	1
Schoolcraft	Total	14	....	....	2	1	..	2	....	....	1	4	3	1	..	6	....	....	..	4	1	....	..	....	....	....	....	..	..	..	1	1	1
	Males	9	....	....	1	1	..	1	....	....	1	1	3	1	.	4	....	....	..	3	1	....	..	....	....	....	....	..	..	..	1	..	..
	Females	5	....	....	1	..	..	1	....	....	....	3	....	....	..	2	....	....	..	1	....	....	..	....	....	....	....	..	..	..	..	1	1
Shiawassee	Total	254	11	10	22	19	25	14	18	31	36	24	13	26	5	86	16	13	15	14	13	11	4	6	7	6	5	11	6	11	7	13	10
	Males	119	2	5	14	9	11	6	8	18	14	12	7	10	3	45	9	4	4	6	5	6	2	1	6	2	2	8	1	7	3	6	2
	Females	131	7	5	8	10	13	8	10	13	21	12	6	16	2	37	7	9	11	8	8	5	2	5	1	4	3	3	5	4	4	7	8
	Unknown	4	2	....	....		1	....	....	....	1	....	....	....	..	4	....	....	..	....	....	....	..	....	....	....	....	..	..	..	..		..

St. Clair	Total	464	24	37	35	29	43	43	35	43	47	49	46	33	..	175	36	18	28	25	15	13	10	13	13	17	13	9	16	15	13	30	5
	Males	238	14	24	21	13	24	17	16	22	25	18	27	17	..	88	14	8	18	14	9	3	3	4	6	8	7	7	12	12	9	13	3
	Females	220	10	13	14	16	19	26	19	20	21	30	18	14	..	81	22	10	10	11	6	10	7	9	7	9	6	2	4	3	4	17	2
	Unknown	6	....	..	....	....	..	....	....	1	1	1	1	2	..	6	....	..	..	....	..	....	..		....	....	....	..	..	..	..	..	..
St. Joseph	Total	232	16	17	20	24	25	6	14	20	25	24	15	24	2	73	11	7	6	14	7	9	5	11	6	15	9	10	11	20	10	7	1
	Males	120	9	9	13	12	16	1	8	9	13	11	8	10	1	32	5	5	3	6	4	1	3	4	3	9	5	9	6	12	8	4	1
	Females	112	7	8	7	12	9	5	6	11	12	13	7	14	1	41	6	2	3	8	3	8	2	7	3	6	4	1	5	8	2	3	..
Tuscola	Total	344	26	19	28	22	27	21	25	27	43	31	35	40	..	150	40	25	15	18	9	6	10	8	11	5	5	5	9	10	8	8	2
	Males	177	16	6	16	17	11	11	13	15	19	14	19	20	..	84	18	14	7	7	3	3	5		6	3	1	2	6	6	5	5	1
	Females	167	10	13	12	5	16	10	12	12	24	17	16	20	..	66	22	11	8	11	6	3	5	7	5	2	4	3	3	4	3	3	1
Van Buren	Total	310	19	12	29	16	21	19	29	37	44	29	29	26	..	113	14	12	14	19	6	18	10	5	10	10	15	9	12	14	9	14	6
	Males	158	8	4	18	7	6	13	17	21	25	9	13	17	..	57	10	6	8	11	2	8	5	2	1	6	8	5	7	7	3	10	2
	Females	151	11	8	11	9	15	6	11	16	19	20	16	9	..	55	4	6	6	8	4	10	5	3	9	4	7	4	5	7	6	4	4
	Unknown	1	..	..	....	....	..	....	1	..	....	....	..	..	..	1	....	....	..	....	..	....	..		....	....	....	..	..	..	..	..	..
Washtenaw	Total	405	33	17	31	32	40	25	24	41	63	38	31	30	..	100	15	13	17	23	12	18	16	14	14	14	19	17	20	30	29	32	2
	Males	223	15	11	13	16	20	11	12	29	40	25	16	15	..	53	6	7	5	11	6	10	8	9	10	9	11	9	13	16	19	20	1
	Females	182	18	6	18	16	20	14	12	12	23	13	15	15	..	47	9	6	12	12	6	8	8	5	4	5	8	8	7	14	10	12	1
Wayne	Total	2,229	59	146	150	171	139	190	245	257	190	180	176	223	3	1002	135	59	90	112	109	73	74	60	61	58	52	61	59	79	67	66	12
	Males	1,232	85	85	89	100	79	96	137	138	102	106	94	120	1	564	72	25	44	55	57	36	47	36	41	37	33	29	40	38	37	35	6
	Females	995	74	61	61	71	60	94	108	117	88	74	82	103	2	436	63	34	46	57	52	37	27	24	20	21	19	32	19	41	30	31	6
	Unknown	2	..	..	....	....	..	....	....	2	....	....	....	....	..	2	....	....	..	..	..	....	..		....	....	....	..	..	..	..	..	..
Wexford	Total	73	4	2	5	4	3	6	9	13	7	7	5	7	1	38	7	5	2	5	1	1	4	3	1	1	2	..	..	2	..	..	1
	Males	35	4	2	2	2	1	2	4	7	5	2	2	2	..	20	3	3	1	1	..	....	3		....	1	....	..	..	2	..	..	1
	Females	38	..	..	3	2	2	4	5	6	2	5	3	5	1	18	4	2	1	4	1	1	1	3	1	....	2	..	..	..	..	..	..

COLOR OF PERSONS WHO DIED IN MICHIGAN IN 1881.

Certain facts of interest pertaining to the study of this subject may be found in Tables XI. and XII. Table XII. permits a study of the details respecting color of decedents in 1881 in each county of the State.

TABLE XI.—*Deaths Returned as having occurred in Michigan during the Year 1881, distinguishing the Color by Number and Proportion of each Sex; and, by Sex, the Per Cent. of Decedents of each Color to Total of All Colors; the Per Cent. of Inhabitants of each Color to Total of All Colors; also the Per Cent. of Decedents to Inhabitants.*

COLOR.	SEX.	Population June 1, 1880.	Number of Deaths Returned.	Per Cent. of Deaths of each Sex to Total of Both Sexes.	Males to 100 Females.	Per Cent. of Deaths of each Color to Total of All Colors, by Sex.	Per Cent. of Inhabitants of each Color to Total of All Colors by Sex, June 1, 1880.[a]	Death-rate, — Per Cent. of Deaths in 1881 to Population in 1880.
All Colors	Total	[b]1,621,927	19,238			100.00	100.00	1.19
	Males	853,637	10,263	53.53	115.18	100.00		1.20
	Females	768,290	8,910	46.47		100.00		1.16
	Unknown		65			100.00		
White	Total	1,599,932	18,803			97.74	98.64	1.18
	Males		10,042	53.53	115.19	97.85		
	Females		8,718	46.47		97.85		
	Unknown		43			66.15		
Black	Total		144			.75		
	Males		84	58.33	140.00	.82		
	Females		60	41.67		.67		
Mulatto	Total		56			.29		
	Males		31	55.36	124.00	.30		
	Females		25	44.64		.28		
Indian	Total	7,049	190			.99	.43	2.70
	Males		95	50.26	101.06	.93		
	Females		94	49.74		1.05		
	Unknown		1			1.54		
Unknown	Total		45			.23		
	Males		11	45.83	84.62	.11		
	Females		13	54.17		.15		
	Unknown		21			32.31		
Black and Mulatto	Total	14,918	200			1.04	.92	1.34
	Males		115	57.50	135.29	1.12		
	Females		85	42.50		.95		

[a] Population represented by returns of deaths in 1881.

[b] Includes 28 Asiatics.

TABLE XII.—*Exhibiting, by Number and by Sex, for the State and Counties, the Color of All Persons Returned as having Died in Michigan during the Year ending December 31, 1881.*

STATE AND COUNTIES.	All Colors,—1881.				White.				Black.			Mulatto.			Indian.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
State	19,238	10,263	8,910	65	18,803	10,042	8,718	43	144	84	60	56	31	25	190	95	94	1	45	11	13	21
Alcona	12	7	5	..	12	7	5	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Allegan	412	215	197	..	412	215	197	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Alpena	114	74	40	..	113	73	40	..	1	1	..	....	..	..	....	..	..	..	..	..	..	..
Antrim	75	35	40	..	61	31	30	..	....	..	..	1	1	..	13 3	10	..	..	..	..	..	..
Baraga	18	7	11	..	8	4	4	..	....	..	..	....	..	..	10	3	7	..	..	..	..	..
Barry	290	126	164	..	290	126	164	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Bay	541	305	236	..	536	300	236	..	1	1	..	2	2	..	2	2	..	..	..	..	..	..
Benzie	65	33	32	..	63	32	31	..	1	1	..	1	..	1	....	..	..	..	..	..	..	..
Berrien	307	150	156	1	300	148	151	1	5	2	3	2	..	2	....	..	..	..	..	..	..	..
Branch	255	157	98	..	253	155	98	..	....	..	..	1	1	..	1	1	..	..	..	..	..	..
Calhoun	426	223	196	7	414	219	189	6	10	4	6	....	..	..	....	..	..	..	2	..	1	1
Cass	176	85	91	..	156	77	79	..	10	6	4	10	2	8	....	..	..	..	..	..	..	..
Charlevoix	54	27	27	..	39	20	19	..	1	..	1	....	..	..	14	7	7	..	..	..	..	..
Cheboygan	109	59	50	..	103	56	47	..	1	..	1	....	..	..	5	3	2	..	..	..	..	..
Chippewa	10	5	5	..	5	3	2	..	....	..	..	2	1	1	3	1	2	..	..	..	..	..
Clare	66	33	33	..	66	33	33	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Clinton	276	131	145	..	275	130	145	..	....	..	..	1	1	..	....	..	..	..	..	..	..	..
Crawford	16	7	9	..	15	7	8	..	....	..	..	....	..	..	1	..	1	..	..	..	..	..
Delta	83	45	34	4	83	45	34	4	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Eaton	356	172	184	..	355	171	184	..	1	1	..	....	..	..	....	..	..	..	..	..	..	..
Emmet	79	44	35	..	45	27	18	..	....	..	..	....	..	..	34	17	17	..	..	..	..	..
Genesee	409	208	201	..	399	203	196	..	3	1	2	7	4	3	....	..	..	..	..	..	..	..
Gladwin	10	5	4	1	10	5	4	1	....	..	..	....	..	..	....	..	..	..	..	..	..	..
G'd Traverse	70	36	34	..	70	36	34	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Gratiot	212	109	102	1	209	108	100	1	....	..	..	3	1	2	....	..	..	..	..	..	..	..
Hillsdale	372	208	164	..	369	205	164	..	2	2	..	....	..	..	....	..	..	..	1	1	..	..
Houghton	243	131	112	..	243	131	112	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Huron	242	116	125	1	241	115	125	1	....	..	..	....	..	..	....	..	..	..	1	1	..	..
Ingham	298	147	150	1	296	147	149	..	1	..	1	....	..	..	....	..	..	..	1	..	..	1
Ionia	300	154	145	1	299	154	145	..	....	..	..	....	..	..	....	..	..	..	1	..	..	1
Iosco	174	90	84	..	174	90	84	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Isabella	176	91	85	..	169	86	83	..	....	..	..	....	..	..	7	5	2	..	..	..	..	..

TABLE XII.—CONTINUED.—*Deaths by Counties, by Color, and by Sex.*

COUNTIES.	All Colors,—1881.				White.				Black.			Mulatto.			Indian.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Isle Royal...[a]	.....	.....	.....	..	.....	.....	.....	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Jackson.....	407	225	182	..	395	217	178	..	9	5	4	2	2	..	....	..	..	..	1	1	..	..
Kalamazoo...	437	221	216	..	429	216	213	..	8	5	3	....	..	..	....	..	..	..	..	..	..	..
Kalkaska	38	20	18	..	38	20	18	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Kent.....	1,022	549	472	1	1,005	542	463	..	6	4	2	....	..	..	....	..	..	..	11	3	7	1
Keweenaw...	122	67	51	4	122	67	51	4	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Lake.....	48	29	19	..	47	29	18	..	....	..	..	....	..	..	1	..	1	..	..	..	..	..
Lapeer.....	306	154	151	1	304	152	151	1	....	..	..	2	2	..	....	..	..	..	..	..	..	..
Leelanaw....	96	56	39	1	49	30	19	..	....	..	..	....	..	..	47	26	20	1	..	..	..	..
Lenawee.....	415	216	198	1	414	215	198	1	....	..	..	....	..	..	....	..	..	..	1	1	..	..
Livingston...	259	137	122	..	257	136	121	..	2	1	1	....	..	..	....	..	..	..	..	..	..	..
Mackinac....	19	10	9	..	16	9	7	..	....	..	..	....	..	..	3	1	2	..	..	..	..	..
Macomb.....	305	187	118	..	305	187	118	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Manistee.....	181	100	81	..	181	100	81	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Manitou.....	5	1	4	..	5	1	4	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Marquette...	406	238	156	12	395	237	156	2	....	..	..	....	..	..	....	..	..	..	11	1	..	10
Mason.....	184	93	91	..	173	83	90	..	2	2	..	....	..	..	9	8	1	..	..	..	..	..
Mecosta.....	297	163	134	..	293	163	130	..	1	..	1	....	..	..	3	..	3	..	..	..	..	..
Menominee..	150	95	54	1	143	92	50	1	....	..	..	....	..	..	2	1	1	..	5	2	3	..
Midland.....	83	46	36	1	82	45	36	1	....	..	..	....	..	..	1	1	..	..	..	..	..	..
Missaukee...	27	15	11	1	27	15	11	1	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Monroe	346	170	175	1	345	170	174	1	....	..	..	....	..	..	....	..	..	..	1	..	1	..
Montcalm....	396	223	172	1	393	223	170	..	1	..	1	1	..	1	....	..	..	..	1	..	..	1
Montmorency	5	3	2	..	5	3	2	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Muskegon....	462	245	214	3	460	244	214	2	1	1	..	....	..	..	....	..	..	..	1	..	..	1
Newaygo.....	165	83	82	..	163	83	80	..	....	..	..	....	..	..	2	..	2	..	..	..	..	..
Oakland	390	213	174	3	382	210	170	2	6	3	3	1	..	1	....	..	..	..	1	..	..	1
Oceana.....	166	78	88	..	158	76	82	..	....	..	..	....	..	..	8	2	6	..	..	..	..	..
Ogemaw	25	13	12	..	25	13	12	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Ontonagon...	19	15	4	..	19	15	4	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Osceola	127	61	66	..	127	61	66	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Oscoda.....	11	5	6	..	10	5	5	..	1	..	1	....	..	..	....	..	..	..	..	..	..	..
Otsego.....	23	12	11	..	23	12	11	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Ottawa.....	420	241	175	4	408	231	174	3	6	6	..	1	1	..	4	3	1	..	1	..	..	1
Presque Isle.	38	22	16	..	38	22	16	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..

[a] No returns from county clerk to State Department.

TABLE XII.—CONTINUED.—*Deaths by Counties, by Color, and by Sex.*

COUNTIES.	All Colors,—1881.				White.				Black.			Mulatto.			Indian.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Roscommon.	12	8	4	..	12	8	4	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Saginaw.....	957	557	400	..	935	543	392	..	4	3	1	3	2	1	14	8	6	..	1	1	..	..
Sanilac.....	298	146	152	..	298	146	152	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Schoolcraft...	14	9	5	..	14	9	5	..	....	..	..	....	..	..	....	..	..	..	..	..	..	..
Shiawassee ..	254	119	131	4	253	119	131	3	....	..	..	....	..	..	....	..	..	..	1	..	..	1
St. Clair.....	464	238	220	6	464	238	220	6	....	..	..	....	..	..	....	..	..	..	..	..	..	..
St. Joseph....	232	120	112	..	226	118	108	..	4	1	3	2	1	1	....	..	..	..	..	..	..	..
Tuscola.....	344	177	167	..	342	175	167	..	....	..	..	....	..	..	2	2	..	..	..	..	..	..
Van Buren...	310	158	151	1	299	152	146	1	5	3	2	6	3	3	....	..	..	..	..	..	..	..
Washtenaw..	405	223	182	..	400	220	180	..	4	2	2	1	1	..	....	..	..	..	..	..	..	..
Wayne.....	2,229	1,232	995	2	2,169	1,196	973	..	47	29	18	7	6	1	4	1	3	..	2	..	..	2
Wexford.....	73	35	38	..	72	35	37	..	....	..	..	....	..	..	....	..	..	..	1	..	1	..

DEATHS OF NATIVE AND FOREIGN-BORN INHABITANTS.

As shown in Exhibit 6, the average per cent. of deaths to the whole number of deaths, of the native-born population, for ten years ending with 1880, was 799.2 in 1,000. The per cent. of deaths among the native-born in 1881 was slightly greater. Table XIII. exhibits details by number and sex for the State and counties.

EXHIBIT 6.—*Nativity of Persons Returned as having Died in Michigan during each of the Years 1877 to 1881, inclusive, showing the Number and the Per Cent. which the Native and the Foreign-born Decedents are of the Total of All Nativities, and the Average Number and Per Cent. for the Ten Years ending with 1880.*

NATIVITY OF DECEDENTS.	Deaths, 1877.		Deaths, 1878.		Deaths, 1879.		Deaths, 1880.		Deaths, 1881.		Av. for 10 yrs. ending with 1880.	
	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
All Nativities	12,919	100.00	12,766	100.00	14,407	100.00	16,102	100.00	19,238	100.00	13,062	100.00
Native	10,305	79.77	10,183	79.77	11,495	79.79	12,572	78.08	15,402	80.06	10,439	79.92
Foreign	2,251	17.42	2,237	17.52	2,458	17.06	2,962	18.40	3,407	17.71	2,231	17.08
Unknown	363	2.81	346	2.71	454	3.15	568	3.52	429	2.23	392	3.00

TABLE XIII.—*Exhibiting, by Number and by Sex, for the State and Counties, the Nativity of all Persons Returned as having Died in Michigan during the Year ending December 31, 1881.*

STATE AND COUNTIES.	All Nativities, 1881.				Native.				Foreign.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
State	19,238	10,263	8,910	65	15,402	8,027	7,316	59	3,407	1,986	1,420	1	429	250	174	5
Alcona	12	7	5	....	9	5	4	....	2	2	.....	....	1	....	1	...
Allegan	412	215	197	....	342	170	172	....	55	38	17	....	15	7	8	...
Alpena	114	74	40	....	84	55	29	....	27	16	11	....	3	3	....	...
Antrim	75	35	40	....	59	26	33	....	15	9	6	....	1	....	1	...
Baraga	18	7	11	....	14	5	9	....	4	2	2	....	....	....	....	...
Barry	290	126	164	....	266	114	152	....	22	12	10	....	2	....	2	...
Bay	541	305	236	....	409	223	186	....	116	71	45	....	16	11	5	...
Benzie	65	33	32	....	47	21	26	....	6	2	4	....	12	10	2	...
Berrien	307	150	156	1	246	118	127	1	37	20	17	....	24	12	12	...
Branch	255	157	98	....	236	144	92	....	13	10	3	....	6	3	3	...
Calhoun	426	223	196	7	365	193	165	7	49	24	25	....	12	6	6	...
Cass	176	85	91	....	164	79	85	....	11	6	5	....	1	....	1	...
Charlevoix	54	27	27	....	47	23	24	....	6	3	3	....	1	1	....	...
Cheboygan	109	59	50	....	84	42	42	....	22	16	6	....	3	1	2	...
Chippewa	10	5	5	....	7	4	3	....	2	.....	2	....	1	1	....	...
Clare	66	33	33	....	53	25	28	....	11	7	4	....	2	1	1	...
Clinton	276	131	145	....	240	114	126	....	29	16	13	....	7	1	6	...
Crawford	16	7	9	....	15	6	9	....	1	1	.....	....	....	....	....	...
Delta	83	45	34	4	66	36	30	....	13	9	4	....	4	....	....	4
Eaton	356	172	184	....	331	162	169	....	16	7	9	....	9	3	6	...
Emmet	79	44	35	....	70	39	31	....	5	3	2	....	4	2	2	...
Genesee	409	208	201	....	335	169	166	....	60	31	29	....	14	8	6	...
Gladwin	10	5	4	1	6	2	3	1	4	3	1	....	....	....	....	...
Gr. Traverse	70	36	34	....	63	31	32	....	7	5	2	....	....	....	....	...
Gratiot	212	109	102	1	193	102	90	1	12	5	7	....	7	2	5	...
Hillsdale	372	208	164	....	339	187	152	....	21	13	8	....	12	8	4	...
Houghton	243	131	112	....	203	108	95	....	38	22	16	....	2	1	1	...
Huron	242	116	125	1	166	76	89	1	74	39	35	....	2	1	1	...
Ingham	298	147	150	1	255	121	133	1	31	19	12	....	12	7	5	...
Ionia	300	154	145	1	265	134	130	1	32	19	13	....	3	1	2	..
Iosco	174	90	84	....	135	65	70	....	32	19	13	....	7	6	1	...
Isabella	176	91	85	....	140	70	70	....	36	21	15	....	....	....	....	...

TABLE XIII.—CONTINUED.—*Deaths by Counties, Nativity, and Sex.*

COUNTIES.	All Nativities, 1881.				Native.				Foreign.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Isle Royal.[a]	.....	.....	.....	....	.....	.....	.....	....	.....	.....	.....	....	....	....	....	...
Jackson.....	407	225	182	....	347	183	164	....	49	33	16	....	11	9	2	...
Kalamazoo..	437	221	216	....	360	175	185	....	64	36	28	....	13	10	3	...
Kalkaska....	38	20	18	....	32	17	15	....	3	2	1	....	3	1	2	...
Kent.....	1,022	549	472	1	851	442	408	1	156	98	58	....	15	9	6	...
Keweenaw..	122	67	51	4	89	50	35	4	28	14	14	....	5	3	2	...
Lake.....	48	29	19	....	40	23	17	....	6	4	2	....	2	2	....	...
Lapeer.....	306	154	151	1	253	128	124	1	52	26	26	....	1	....	1	...
Leelanaw...	96	56	39	1	87	49	37	1	9	7	2	....	....	....	....	...
Lenawee....	415	216	198	1	356	178	177	1	49	30	19	....	10	8	2	...
Livingston..	259	137	122	....	223	114	109	....	35	22	13	....	1	1	....	...
Mackinac....	19	10	9	....	10	3	7	....	9	7	2	....	....	....	....	...
Macomb.....	305	187	118	....	235	147	88	....	68	40	28	....	2	...	2	...
Manistee....	181	100	81	....	137	74	63	....	40	23	17	....	4	3	1	...
Manitou.....	5	1	4	....	2	.....	2	....	3	1	2	....	....	....	....	...
Marquette..	406	238	156	12	295	163	120	12	109	74	35	....	2	1	1	...
Mason.....	184	93	91	....	160	82	78	....	23	10	13	....	1	1	....	...
Mecosta.....	297	163	134	....	239	127	112	....	53	33	20	....	5	3	2	...
Menominee..	150	95	54	1	101	59	41	1	37	31	6	....	12	5	7	...
Midland.....	83	46	36	1	63	33	29	1	12	9	3	....	8	4	4	...
Missaukee..	27	15	11	1	20	11	8	1	6	3	3	....	1	1	....	...
Monroe.....	346	170	175	1	275	131	143	1	71	39	32	....	....	....	....	...
Montcalm...	396	223	172	1	351	190	160	1	36	26	10	....	9	7	2	...
Montmorency.	5	3	2	....	2	2	.....	....	3	1	2	....	....	....	....	...
Muskegon...	462	245	214	3	325	168	155	2	118	69	49	....	19	8	10	1
Newaygo....	165	83	82	....	141	73	68	....	21	8	13	....	3	2	1	...
Oakland.....	390	213	174	3	314	171	140	3	64	36	28	....	12	6	6	...
Oceana.....	166	78	88	....	150	70	80	....	11	5	6	....	5	3	2	...
Ogemaw.....	25	13	12	....	18	10	8	....	5	2	3	....	2	1	1	...
Ontonagon..	19	15	4	....	12	9	3	....	7	6	1	....	....	....	....	...
Osceola.....	127	61	66	....	98	46	52	....	20	10	10	....	9	5	4	...
Oscoda	11	5	6	....	9	5	4	....	2	.....	2	....	....	....	....	...
Otsego.....	23	12	11	....	19	9	10	....	3	2	1	....	1	1	....	...
Ottawa.....	420	241	175	4	323	184	136	3	87	49	37	1	10	8	2	...

[a] No returns from the county clerk.

TABLE XIII.—CONTINUED.—*Deaths by Counties, Nativity, and Sex.*

COUNTIES.	All Nativities, 1881.				Native.				Foreign.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Presque I...	38	22	16	....	26	16	10	....	11	6	5	....	1	....	1	...
Roscommon.	12	8	4	....	10	6	4	....	2	2	.....	....	....	....	....	...
Saginaw.....	957	557	400	....	689	385	304	....	255	162	93	....	13	10	3	...
Sanilac.....	298	146	152	....	205	99	106	....	92	46	46	....	1	1	....	...
Schoolcraft.	14	9	5	....	6	3	3	....	2	1	1	....	6	5	1	...
Shiawassee..	254	119	131	4	212	96	112	4	37	22	15	....	5	1	4	...
St. Clair.....	464	238	220	6	312	160	146	6	151	78	73	....	1	....	1	...
St. Joseph...	232	120	112	....	198	100	98	....	29	16	13	....	5	4	1	...
Tuscola.....	344	177	167	....	295	155	140	....	48	22	26	....	1	....	1	...
Van Buren..	310	158	151	1	286	145	140	1	14	7	7	....	10	6	4	...
Washtenaw.	405	223	182	....	308	162	146	....	88	54	34	....	9	7	2	...
Wayne.....	2,229	1,232	995	2	1,604	876	726	2	598	338	260	....	27	18	9	...
Wexford....	73	35	38	....	60	29	31	....	12	6	6	....	1	....	1	...

CAUSES OF DEATH, 1881.

"In statistical researches," says Quetelet, "our object is generally to discover the causes which influence social facts." None of these causes are of so great importance as those that relate to the influence of deaths upon our population. It now remains for us to consider the specified, or particular, causes of deaths classified according to the plan usually adopted. The classes of causes which occasioned the greatest number of deaths in 1881 may be compared in Table XIV. with those of each preceding year from 1877 to 1881, inclusive. The average number of deaths for the ten years, ending with 1880, from each of the classes of causes is also here shown.

Exhibit 7 shows the number of deaths in each month of the year 1881 from all causes and from each class of causes.

CAUSES OF DEATH, DR. FARR'S CLASSIFICATION.

The per cent. of deaths from zymotic diseases was much greater in 1881 than in any preceding year, being 35.31, while the average for ten years was only 27.30. The per cent. of deaths from local diseases occurred next in order, but was somewhat less than the average. The per cents of deaths from constitutional and developmental diseases, and from violent deaths, were less than the average for ten years.

TABLE XIV.—*Number of Deaths Returned as having occurred in Michigan from All Causes, and from each Class of Causes, and the Per Cent. of Deaths from each Class of Causes to Deaths from All Causes, for each of the Years 1877 to 1881, inclusive; also the Average Number and Per Cent. for the Ten Years 1871–1880.*

CAUSES OF DEATH, CLASSES.	1877.		1878.		1879.		1880.		1881.		AVERAGE FOR TEN YEARS, ENDING WITH 1880.	
	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
All Causes	12,919	100.00	12,766	100.00	14,407	100.00	16,102	100.00	19,238	100.00	13,062	100.00
I.—Zymotic	3,319	25.69	3,121	24.45	4,177	28.99	4,825	29.97	6,793	35.31	3,566	27.30
II.—Constitutional	2,454	19.00	2,290	17.94	2,343	16.26	2,546	15.81	2,734	14.21	2,249	17.22
III.—Local Diseases	3,506	27.14	3,481	27.27	3,918	27.20	4,492	27.90	5,011	26.05	3,725	28.52
IV.—Developmental	1,527	11.82	1,825	14.29	1,802	12.51	1,861	11.56	2,033	10.57	1,431	10.96
V.—Violent Deaths	654	5.06	691	5.41	697	4.84	875	5.43	966	5.02	673	5.15
Unknown and Unclassified	1,459	11.29	1,358	10.64	1,470	10.20	1,503	9.33	1,701	8.84	1,417	10.85

EXHIBIT 7.—*By Months, the Number of Deaths Returned as having Occurred in Michigan from All Causes and from each Class of Causes during the year 1881.*

CAUSES OF DEATH,—CLASSES.	YEAR, 1881.	MONTHS OF DEATHS,—1881.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Causes	19,228	1065	1078	1315	1427	1,457	1,276	1,701	2,246	2,301	1,941	1,617	1,748	66
I.—Zymotic	6,793	326	260	330	363	417	398	670	1,021	956	830	634	576	18
II.—Constitutional	2,734	160	180	227	274	247	203	233	242	221	251	227	261	8
III.—Local Diseases	5,011	323	366	432	454	432	335	383	477	488	444	404	462	11
IV.—Developmental	2,033	119	140	166	137	164	163	161	219	202	166	156	231	9
V.—Violent Deaths	966	37	35	36	70	68	54	165	97	225	81	69	81	8
Unknown and Unclassified	1,701	100	97	124	129	129	123	149	190	209	169	127	143	12

DEATHS IN 1881, GROUPED BY PART OF BODY DISEASED.

Diseases of the lungs stand first in the order of groups presented in Exhibit 8, although the per cent. of deaths from this cause was less in 1881, than in any year represented in the exhibit. Deaths from diseases of the bowels show a per cent. greater than in any preceding year.

EXHIBIT 8.—*Order of Succession of Seven Groups of Causes of Deaths Returned as having occurred in Michigan for each of the Years 1878 to 1881, inclusive,—Number of Deaths from each Group of Causes, and Per Cent. of Deaths from each Group of Causes to the Deaths from All Causes.*

Order.	1876.			1877.			1878.			1879.			1880.			1881.		
	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.
....	All Caus.	12,576	100.00	All Caus.	12,919	100.00	All Caus.	12,766	100.00	All Caus.	14,407	100.00	All Caus.	16,102	100.00	All Caus.	19,238	100.00
1	Lungs...	2,753	21.89	Lungs...	2,584	20.00	Lungs...	2,609	20.44	Lungs...	2,945	20.44	Lungs...	3,387	21.03	Lungs...	3,366	17.50
2	Bowels..	1,633	12.98	Bowels..	1,702	13.17	Brain....	1,440	11.28	Throat..	1,803	12.51	Bowels..	1,962	12.18	Bowels..	3,102	16.12
3	Brain....	1,549	12.31	Brain....	1,592	12.32	Bowels..	1,247	9.77	Brain....	1,466	10.18	Throat..	1,899	11.79	Throat..	2,493	12.96
4	Throat..	541	4.30	Throat..	781	6.05	Throat..	1,160	9.09	Bowels..	1,424	9.88	Brain...	1,709	10.61	Brain....	2,043	10.62
5	Heart....	405	3.22	Heart...	460	3.56	Heart...	452	3.54	Heart...	549	3.81	Heart...	570	3.54	Heart...	646	3.36
				Liver....	126	.98	Liver....	143	1.12	Liver....	121	.84	Kidneys.	154	.96	Kidneys.	241	1.25
										Kidneys.	113	.78	Liver....	119	.74	Liver....	143	.74
1-5	5 Groups	6,881	54.72	6 Groups	7,245	56.08	6 Groups	7,051	55.23	7 Groups	8,421	58.45	7 Groups	9,800	60.86	7 Groups	12,034	62.55

EXHIBIT J.—*Eleven Geographical Divisions of the State, formed for the purpose of facilitating the study of Causes of Death, with a list of Counties included in each Division.*

Upper Peninsular.	North-western.	Northern.	North-eastern.	Western.	Northern Central.	Bay and Eastern.	Central.	South-western.	Southern Central.	South-eastern.
Baraga.	Benzie.	Antrim.	Alcona.	Kent.	Clare.	Bay.	Barry.	Allegan.	Branch.	Macomb.
Chippewa. [a]	Gr. Traverse. [g]	Charlevoix. [i]	Alpena. [l]	Lake.	Gladwin. [p]	Huron.	Clinton.	Berrien. [r]	Calhoun.	Monroe.
Delta.	Leelanaw.	Cheboygan.	Iosco.	Mason.	Isabella.	Lapeer.	Eaton.	Cass.	Hillsdale.	Oakland.
Houghton.	Manistee.	Crawford.	Montmorency.	Muskegon.	Mecosta.	Saginaw.	Genesee.	Van Buren.	Jackson.	Wayne.
Isle Royal. [b]	Manitou.	Emmet.	Ogemaw. [m]	Newaygo. [n]	Midland.	Sanilac.	Gratiot.		Kalamazoo.	
Keweenaw.	Missaukee.	Kalkaska. [j]	Oscoda.	Oceana. [o]	Roscommon.	St. Clair.	Ingham.		Lenawee.	
Mackinac. [c]	Wexford. [h]	Otsego. [k]	Presque I.	Osceola.		Tuscola.	Ionia.		St. Joseph.	
Marquette. [d]				Ottawa.			Livingston.		Washtenaw.	
Menominee.							Montcalm. [q]			
Ontonagon. [e]							Shiawassee.			
Schoolcraft. [f]										

No returns of deaths from the following townships:
[a] Detour. [b] No returns from the county. [c] Hendricks. [d] Champion, Crystal Falls, Iron River, and Richmond. [e] Carp Lake and Rockland. [f] Munising and Thompson. [g] East Bay, Grant, and Paradise. [h] Henderson and South Branch. [i] Eveline and Marion. [j] Garfield and Oliver. [k] Charlton and Livingston. [l] Green and Ossineke. [m] Cumming, Damon, and West Branch. [n] Grant. [o] Otto. [p] Grout. [q] Home. [r] St. Joseph.

DEATHS, 1881, BY CLASSES OF CAUSES, BY DIVISIONS OF THE STATE.

For the convenience of studying what relation each class of causes of deaths had to each of the eleven geographical divisions of the State, reference may be made to Table XV. The diseases included in each class may be found in Table XVI., following.

The least per cent. of all deaths, in 1881, to population, occurred in the South-western division; the greatest per cent. occurred in the Northern-Central. The counties which are included in each division may be seen in Exhibit J.

TABLE XV.—*Exhibiting for the State and for each of the Eleven Geographical Divisions of the State, the Number of Deaths, the Per Cent. of Deaths in 1881 to Population in 1880, and the Per Cent. of Deaths for each Division to Total Deaths for the State during the Year 1881; also, the Per Cent. of Deaths from each Class of Causes to Deaths from All Causes.*

STATE AND GEOGRAPHICAL DIVISIONS.	Population June 1, 1880, Represented by Deaths in 1881.	Deaths Reported, 1881.		Per Ct. of all Deaths in 1881 to Population in 1880.	Per Cent. of Deaths from each Class of Causes to Deaths from All Causes, by Geographical Divisions.					
		Number.	Per Ct. of Total.		Class I. Zymotic Diseases.	Class II. Constitutional Diseases.	Cl'ss III. Local Diseases.	Cl'ss IV. Developmental Diseases.	Class V. Violent Deaths.	Unk. and Unclassified.
State	1,621,927	19,238	100.00	1.19	35.31	14.21	26.05	10.57	5.02	8.84
Upper-Peninsular	80,663	1,084	5.63	1.34	36.62	7.38	18.63	13.38	9.23	14.76
North-western	38,414	517	2.69	1.35	45.65	10.06	21.47	8.90	5.22	8.70
Northern	27,999	394	2.05	1.41	35.03	11.93	23.10	8.38	4.31	17.26
North-eastern	23,897	379	1.97	1.59	40.63	7.92	20.05	8.97	5.01	17.41
Western	182,767	2,594	13.48	1.42	45.68	11.99	21.09	7.67	3.47	10.10
Northern-Central	39,282	644	3.35	1.64	48.29	9.01	19.88	6.99	4.35	11.49
Bay and Eastern	245,679	3,152	16.38	1.28	35.31	12.18	24.71	11.33	8.22	8.25
Central	293,822	3,050	15.85	1.04	36.10	16.03	27.11	8.52	3.74	8.49
South-western	123,566	1,205	6.26	.97	29.71	17.51	27.80	11.54	4.40	9.05
Southern-Central	292,306	2,949	15.33	1.01	28.18	16.95	31.60	12.34	4.10	6.82
South-eastern	273,232	3,270	17.00	1.20	29.63	17.49	30.06	12.57	4.22	6.02

TABLE XVI.—CAUSES OF DEATH.—NOSOLOGICAL ARRANGEMENT.

Exhibiting the Number of Reported Deaths in Michigan and in each County of the State during the Year 1881, from Specified Causes, Statistically Classified.—(Still-Births Included.)

CAUSES OF DEATH,—1881.	STATE.	COUNTIES.—1881.																								
		Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
All Causes	19,238	12	412	114	75	18	290	541	65	307	255	426	176	54	109	10	66	276	16	83	356	79	409	10	70	212
Specified Causes	17,604	10	371	95	69	11	275	509	62	269	233	399	165	50	90	10	60	257	16	40	312	52	382	10	67	177
Causes not Specified	1,634	2	41	19	6	7	15	32	3	38	22	27	11	4	19	..	6	19	....	43	44	27	27	....	3	35
CLASSES.																										
I.—Zymotic Diseases	6,793	4	128	35	33	2	140	238	26	87	54	120	40	13	42	2	28	111	11	19	104	22	136	1	33	62
II.—Constitutional Diseases	2,734	2	62	14	11	1	43	70	7	48	50	77	42	7	10	4	7	44	2	3	62	9	73	1	10	26
III.—Local Diseases	5,011	3	106	27	18	5	59	123	13	84	84	127	61	21	26	..	11	76	1	6	109	9	116	5	16	57
IV.—Developmental Diseases	2,033	1	61	12	5	1	24	51	8	32	32	54	19	5	7	4	7	19	....	4	26	8	38	1	8	27
V.—Violent Deaths	966	....	14	7	2	2	9	26	8	18	13	20	2	4	4	..	6	7	2	8	11	4	18	2	....	5
Unclassified	67	....	....	....	....	....	..	1	....	..	....	1	1	....	1	..	1	....	....	....	....	....	1	....	....	....
ORDERS.																										
I.—1. Miasmatic Diseases	6,753	4	126	35	33	2	139	237	26	84	54	119	38	13	42	2	28	111	11	19	102	22	136	1	33	62
2. Enthetic Diseases	7	....	1	....	....	....	..	....	....	2	....	....	....	....	..	..	....	....	....	....	....	....	....	....	..	....
3. Dietic Diseases	15	....	1	....	....	....	..	....	....	..	....	....	....	....	..	..	....	....	....	....	1	....	....	....	....	....
4. Parasitic Diseases	18	....	....	....	....	....	1	1	....	1	....	1	2	....	..	..	....	....	....	....	1	....	....	....	....	....
II.—1. Diathetic Diseases	644	....	11	1	6	....	11	18	3	12	11	16	18	1	1	..	2	16	....	....	19	....	17	....	1	8
2. Tubercular Diseases	2,090	2	51	13	5	1	32	52	4	36	39	61	24	6	9	4	5	28	2	3	43	9	56	1	9	18

III.—1. Diseases of Nervous System...	1,936	2	44	8	8	1	21	48	6	34	26	47	17	4	6	....	5	23	1	3	44	4	49	1	9	27
2. Dis. of Organs of Circulation....	623	1	13	4	1	1	6	13	.	6	14	18	7	1	3	....	1	11	.	.	14	1	8	1	1	8
3. Diseases of Respiratory Organs	1,260	.	19	5	4	1	21	33	1	23	20	24	15	9	11	....	5	22	.	3	29	3	27	1	3	12
4. Diseases of Digestive Organs ..	803	.	17	6	2	2	9	21	2	14	14	19	16	5	4	....	..	12	.	.	12	..	23	2	2	10
5. Diseases of Urinary Organs....	271	.	12	1	1	.	2	5	4	5	8	12	4	2	2	....	..	3	.	.	5	1	5	.	1	....
6. Diseases of Generative Organs.	21	.	..	....	.	.	....	....	.	1	..	2	....	....	....	....	..	....	.	.	....	..		.	..	....
7. Dis. of Organs of Locomotion..	9	.	..	1	.	.	....	....	.	1	..	....	....	....	....	....	..	....	.	.	....	..		.	..	....
8. Dis. of Integumentary System.	88	.	1	2	2	.	....	3	.	....	2	5	2	....	....	....	..	....	.	.	5	..	3	.	..	....
IV.—1. Developmental Dis. of Children	862	1	23	9	4	1	10	25	6	10	10	15	8	1	6	3	1	6	.	3	10	1	11	1	6	10
2. Developmental Dis. of Women.	218	.	6	2	.	.	4	8	.	3	4	6	1	1	....	....	1	4	.	.	3	2		.	1	8
3. Developm'l Dis. of Old People.	725	.	30	1	1	.	9	4	.	16	15	29	10	3	....	1	2	9	.	.	10	4	17	.	1	7
4. Diseases of Nutrition.....	228	.	2	....	.	.	1	14	2	3	3	4	....	....	1	....	3	....	.	1	3	1	6	.	..	7
V.—1. Accident or Negligence	570	.	7	7	2	2	3	14	8	12	6	11	....	3	3	....	3	4	2	4	4	3	13	.	..	2
2. Battle.....	.....	.	..	....	.	.	....	....	.	....	..	....	....	....	....	....	..	....	.	.	....	..		.	..	....
3. Homicide	14	.	..	....	.	.	1	....	.	....	..	....	....	....	....	....	..	1	.	.	....	..		.	..	....
4. Suicide	57	.	..	....	.	.	....	1	.	....	3	5	....	....	....	....	1	....	.	.	2	..		.	..	....
5. Execution	.....	.	..	....	.	.	....	....	.	....	..	....	....	....	....	....	..	....	.	.	....	..		.	..	....
6. Violent Deaths.....	325	.	7	....	.	.	5	11	.	6	4	4	2	1	1	....	2	2	.	4	5	1		2	..	3
CLASS I.—ZYMOTIC.....	6,793	4	128	35	33	2	140	238	26	87	54	120	40	13	42	2	28	111	1	19	104	22	136		33	62
I.—ORDER 1. Miasmatic.....	6,753	4	126	35	33	2	139	237	26	84	54	119	38	13	42	2	28	111	11	19	102	22	136		33	62
1. Small-pox.....	85	.	..	....	13	.	....	....	.	....		....	....	....	....	....	..	....	.	4	....	..			..	....
2. Measles	256	.	4	2	.	.	8	9	.	3		2	1	....	7	....	4	11	.	.	4	..			..	....
3. Scarlatina.....	384	.	7	....	.	.	2	7	.	11		7	3	....	....	....	..	3	.	.	3	..	2		..	....
4. Diphtheria.....	2,063	3	36	3	9	.	62	112	1	7	4	13	....	1	10	....	13	49	5	10	36	10	56		18	23
5. Quinsy	27	.	..	1	.	.	....	....	.	1		....	....	1	....	....	..	....	.	.	1	..			..	....
6. Croup.....	380	.	4	4	.	.	4	10	1	1	4	3	2	....	3	....	1	6	.	.	4	9	6		1	7

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	STATE.	COUNTIES.—1881.																								
		Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
7. Whooping-cough	142	----	2	2	----	----	----	----	----	1	3	5	6	----		1	----	----	----	----	2	----	----		----	----
8. Typhoid Fever	886	1	22	4	3	----	11	15	1	18	18	21	10	1	4	----	6	11	2	1	9	2	14		6	9
8. Typhus Fever	19	----	----	----	----	----	----	----	1	----	----	1	----	----		----	----	----	----	----	----	----	----		----	----
8. Typho-malarial Fever	52	----	1	----	1	----	1	1	5	----	----	4	----	----		----	----	----	----	----	----	----	1		----	1
9. Erysipelas	132	----	6	----	1	----	----	1	1	2	5	4	3	1		----	1	4	----	----	1	----	7		1	1
10. Puerperal Fever	58	----	3	----	----	----	----	----	----	1	----	2	----	----	2	----	----	----	----	----	1	----	1		----	2
11. Carbuncle	2	----	----	----	----	----	----	----	----	----	----	----	----	----		----	----	----	----	----	----	----	----		----	----
12. Influenza	15	----	----	----	----	----	----	----	----	----	1	----	----	----		----	----	----	----	----	----	----	1		----	----
13. Dysentery	270	----	6	----	2	----	10	2	1	4	3	4	1	3		----	1	4	2	----	4	----	14		----	2
14. Diarrhea	501	----	7	10	----	----	7	20	1	5	1	1	----	1	11	1	----	2	----	----	3	----	6		1	2
15. Cholera Infantum	857	----	16	9	2	1	30	41	2	13	9	37	10	4	3	----	----	16	----	2	32	1	17		1	7
16. Cholera Morbus	69	----	3	----	----	1	----	3	----	3	----	1	----	----		----	----	2	----	----	----	----	----		1	1
16. Cholera	17	----	----	----	----	----	----	----	----	----	----	----	----	----		----	----	----	2	----	----	----	----		----	----
17. Ague	234	----	3	----	2	----	1	9	12	4	1	8	----	1	----	----	1	1	----	2	----	----	2		3	5
18. Remittent Fever	181	----	4	----	----	----	1	5	----	6	----	4	----	----		----	1	----	----	----	1	----	----		----	2
19. Rheumatism	123	----	2	----	----	----	2	2	----	4	3	2	2	----		----	----	2	----	----	1	----	4		1	----
I.—ORDER 2. Enthetic	7	----	1	----	----	----	----	----	----	2	----	----	----	----		----	----	----	----	----	----	----	----		----	----
1. Syphilis	4	----	----	----	----	----	----	----	----	----	----	----	----	----		----	----	----	----	----	----	----	----		----	----
2. Stricture of Urethra	----	----	----	----	----	----	----	----	----	----	----	----	----	----		----	----	----	----	----	----	----	----		----	----
2. Stricture	1	----	1	----	----	----	----	----	----	----	----	----	----	----		----	----	----	----	----	----	----	----		----	----

3. Hydrophobia	2	----	----	----		----	----	----	----	2	----	----	--		----		-	- --	----	-	--	----	--	-	----	----
4. Glanders	------	----	----	----		----	----	----	----	--	----	----	--		----		-	- --	----	-	--	----	--	-	----	----
I.—ORDER 3. Dietic	15	----	1	----		----	----	----	----	--	----	----	--		----		-	- --	----	-	1	----	--	-	----	----
1. Privation	------	----	----	----		----	----	----	----	--	----	----	--		----		-	- --	----	-	--	----	--	-	----	----
2. Purpura	------	----	----	----		----	----	----	----	--	----	----	--		----		-	- --	----	-	--	----	--	-	----	----
2. Rachitis	2	----	----	----		----	----	----	----	--	----	----	--		----		-	- --	----	-	--	----	--	-	----	----
2. Scurvy	------	----	----	----		----	----	----	----	--	----	----	--		----		-	- --	----	-	--	----	--	-	----	----
3. Delirium Tremens (Alcoholism)	5	----	----	----		----	----	----	----	--	----	----	--		----		-	- --	----	-	1	----	--	-	----	----
4. Intemperance	8	----	1	----		----	----	----	----	--	----	----	--		----		-	- --	----	-	--	----	--	-	----	----
I.—ORDER 4. Parasitic	18	----	----	----		----	1	1	----	1	----	1	2		----		-	- --	----	-	1	----	--	-	----	----
1. Thrush	13	----	----	----		----	1	----	----	--	----	1	1		----		-	- --	----	-	1	----	--	-	----	----
2. Worms	5	----	----	----		----	----	1	----	1	----	----	1		----		-	- --	----	-	--	----	--	-	----	---
3. Disease of Scalp	------	----	----	----		----	----	----	----	--	----	----	--		----		-	- --	----	-	--	----	--	-	----	----
CLASS II.—CONSTITUTIONAL	2,734	2	62	14	11	1	43	70	7	48	50	77	42		10		7	44	2	3	62	9	73	1	10	26
II.—ORDER 1. Diathetic	644	----	11	1	6	----	11	18	3	12	11	16	18		1		2	16	----	-	19	----	17	-	1	8
1. Gout	------	----	----	----		----	----	----	----	--	----	----	--		----		-	- --	----	-	--	----	--	-	----	----
2. Anæmia	------	----	----	----		----	----	----	----	--	----	----	--		----		-	- --	----		--	----	--	-	----	----
2. Dropsy	283	----	7	1	3	----	4	10	2	1	6	4	11		1		1	7	----		9	----	3	-	----	3
3. Cancer	310	----	2	----		----	7	5	----	10	4	12	5		----		1	9	----		10	----	13	-	----	4
4. Noma (Canker)	44	----	1	----	2	----	----	3	1	1	1	----	1		----		-	- --	----		--	----	--	-	1	1
5. Mortification	6	----	1	----		----	----	----	----	--	----	----	1		----		-	- --	----		--	----	1	-	----	----
II.—ORDER 2. Tubercular	2,090	2	51	13	5	1	32	52	4	36	39	61	24	6	9		5	28	2	3	43	9	56	1	9	18
1. Scrofula	32	----	----	----		1	----	1	----	--	----	----	--		----		-	- --	----		1	----	1	-	----	1
2. Consumption of Bowels	36	----	1	----		----	1	----	----	1	1	1	--		----		-	- --	----		1	----	--	-	----	----
3. Phthisis (Con. of Lungs)	1,975	2	50	13	4	----	31	51	4	35	38	60	24	5	9	3	4	28	2	3	41	9	54	1	9	17

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	State.	Counties.—1881.																								
		Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	G. Traverse.	Gratiot.
4. Hydrocephalus	9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----
5. Marasmus	38	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----
CLASS III.—LOCAL DISEASES	5,011	3	106	27	18	5	59	123	13	84	84	127	61	21	26	----	11	76	1	6	109	9	116	5	16	57
III.—ORDER 1. Nervous System	1,936	2	44	8	8	1	21	48	6	34	26	47	17	4	6	----	5	28	1	3	44	4	49	1	9	27
1. Cephalitis	363	----	10	2	1	1	2	11	1	8	4	2	2	----	1	----	2	2	----	1	6	----	13	----	1	2
2. Apoplexy	110	----	2	----	1	----	1	2	----	3	5	4	1	1	----	----	----	1	----	----	----	----	1	----	1	1
3. Paralysis	270	1	12	1	1	----	4	----	1	8	8	17	7	1	1	----	----	8	----	----	6	1	13	----	----	----
4. Insanity	16	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5. Chorea	5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6. Epilepsy	63	----	2	----	----	----	2	3	----	1	----	2	----	----	----	----	----	4	----	----	1	----	2	1	----	----
7. Tetanus	12	----	1	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----
8. Convulsions	337	----	1	2	2	----	1	7	1	5	----	2	1	----	1	----	----	4	1	2	3	1	5	----	2	3
9. Brain Disease	370	1	12	2	1	----	3	14	2	6	7	12	3	----	3	----	2	7	----	----	14	1	10	----	1	4
9. Dropsy of Brain	54	----	1	----	----	----	2	----	1	----	----	----	1	2	----	----	----	----	----	----	1	----	----	----	----	----
10. Spinal Fever	136	----	1	1	----	----	5	3	----	2	----	3	1	----	----	----	----	----	----	----	6	----	1	----	4	15
11. Spotted Fever	9	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----
12. Meningitis	21	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1
13. Meningitis, Cerebro-Spinal	41	----	1	----	2	----	----	5	----	----	----	1	----	----	----	----	----	----	----	----	1	----	2	----	----	----
14. Meningitis, Spinal	123	----	----	----	----	----	1	----	----	----	2	4	1	----	----	----	1	2	----	----	4	----	2	----	----	1
15. Neuralgia	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

16. Spine Disease	1	--	----	-	--	--	--	--	--	----	--	----	----	----	----	-	----	-	--	----	--	----	----	----
17. Spine, Inflam. of	4	1	----	-	--	--	--	--	--	----	--	----	----	----	----	-	----	-	1	----	--	----	----	----
18. Frightened	1	--	----	-	--	--	--	--	--	----	--	----	----	----	----	-	----	-	--	----	--	----	----	----
III.—ORDER 2. Organs of Circulation	623	13	4	1	6	13	6	14	18	7	1	3	----	1	11	----	-	14	1	8	1	1	8
1. Pericarditis	102	3	----	-	1	--	1	--	3	4	----	----	----	----	1	----	-	3	----	2	1	----	1
2. Aneurism	3	--	----	-	--	1	--	--	----	--	----	----	----	----	----	----	-	--	----	--	--	----	----
3. Heart Disease	516	10	4	1	5	12	5	14	15	3	1	3	----	1	10	----	-	11	1	6	----	1	7
4. Emboli	2	--	----	-	--	--	--	--	----	--	----	----	----	----	----	----	-	--	----	--	-	----	----
III.—ORDER 3. Respiratory Organs	1,260	19	5	1	21	33	23	20	24	15	9	11	----	5	22	----	3	29	3	27	1	3	12
1. Epistaxis	1	----	----	-	--	--	--	--	----	--	----	----	----	----	----	----	-	--	----	--	----	----	----
2. Laryngitis	3	----	----	-	--	--	--	--	----	--	----	----	----	----	----	----	-	--	----	--	----	----	----
3. Bronchitis	70	----	----	-	--	2	--	--	2	--	----	----	----	----	----	----	-	1	----	4	----	----	----
4. Pleurisy	25	----	----	-	1	--	--	1	1	1	----	----	----	----	1	----	-	--	----	--	----	----	----
5. Pneumonia	935	17	4	1	13	25	21	15	19	12	8	8	----	4	18	----	3	22	3	19	1	3	11
6. Asthma	36	----	----	-	1	1	--	--	----	--	----	----	----	----	----	----	-	1	----	2	----	----	----
7. Lung Disease	182	2	1	-	6	3	2	4	2	2	1	3	----	1	3	----	-	5	----	2	----	----	1
8. Catarrh	8	----	----	-	--	2	--	--	----	--	----	----	----	----	----	----	-	--	----	--	----	----	----
III.—ORDER 4. Digestive Organs	803	17	6	2	9	21	2	14	14	19	16	5	4	----	----	12	----	-	12	----	23	2	2	10
1. Gastritis	68	1	----	-	1	--	3	5	1	4	2	----	----	----	3	----	-	1	----	2	----	--	2
2. Enteritis	342	4	5	-	2	13	1	4	8	6	3	----	----	----	5	----	-	5	----	11	2	1	4
3. Peritonitis	19	----	----	1	--	--	--	--	----	--	----	----	----	----	----	----	-	--	----	1	----	----	----
4. Ascites	3	----	----	-	--	--	--	--	----	--	----	----	----	----	----	----	-	--	----	--	----	----	----
5. Ulceration of Intestines	5	2	----	-	--	--	1	1	----	--	----	----	----	----	----	----	-	--	----	--	----	----	----
6. Hernia	23	----	----	-	--	--	--	1	----	1	----	----	----	----	----		-	1	----	1	----	----	----
7. Obstruction of Bowels	7	----	----	-	--	--	--	--	----	--	----	----	----	----	----		-	--	----	--	----	----	----
8. Intussusception	------	----	----	-	--	--	--	--	----	--	----	----	----	----	----		-	--	----	--	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	STATE.	COUNTIES.—1881.																								
		Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
9. Stricture of Intestines	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	----		----	----	----	----	----	----	----
10. Fistula	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	----		----	----	----	----	----	----	----
11. Stomach Diseases	114	----	1		----	----	1	3	1	8	----	4	2	----	4	----	----	1		----	1	----	5	----	----	1
12. Pancreas Disease	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	----		----	----	----	----	----	----	----
13. Hepatitis	11	----	----		----	----	----	----	----	----	1	----	----	----	----	----	----	----		----	----	----	1	----	----	----
14. Biliary Calculus	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	----		----	----	----	----	----	----	----
14. Jaundice	43	----	1		1	----	1	3	----	1	----	----	2	----	----	----	----	----		----	2	----	1	----	----	----
15. Liver Disease	92	----	3		----	1	2	2	----	----	1	5	----	----	----	----	----	2		----	----	----	1	----	1	2
16. Spleen Disease	5	----	----		----	----	1	----	----	----	----	----	----	----	----	----	----	----		----	----	----	----	----	----	----
17. Bowel Diseases, etc.	71	----	5		1	----	1	----	----	----	1	1		----	----	----	----	1		----	2	----	----	----	----	1
18. Mouth Disease	----	----	----		----	----	----	----	----	----	----	----		----	----	----	----	----		----	----	----	----	----	----	----
III.—ORDER 5. Urinary Organs	271	----	12		1	----	2	5	4	5	8	12	4	2	2	----	----	3		----	5	1	5	----	1	----
1. Nephritis	24	----	1		----	----	----	1	----	1	----	----		----	1	----	----	1		----	----	----	1	----	----	----
2. Ischuria	1	----	----		----	----	----	----	----	1	----	----		----	----	----	----	----		----	----	----	----	----	----	----
3. Bright's Disease of Kidneys	90	----	1		----	----	2	1	1	2	4	3	2	1	----	----	----	1		----	2	----	1	----	1	----
4. Diabetes	49	----	1		1	----	----	----	----	----	2	2		----	----	----	----	----		----	1	----	----	----	----	----
5. Calculus (Gravel, etc.)	14	----	----		----	----	----	1	1	----	----	----		1	1	----	----	----		----	----	----	2	----	----	----
6. Cystitis	11	----	----		----	----	----	----	1	1	----	----		----	----	----	----	----		----	----	----	----	----	----	----
7. Kidney Diseases	83	----	9		----	----	----	2	1	----	2	6		----	----	----	----	1		----	2	1	1	----	----	----
III.—ORDER 6. Generative Organs	21	----	----		----	----	----	----	----	1	----	2		----	----	----	----	----		----	----	----	----	----	----	----

1. Ovarian Disease	1																						
1. Ovarian Tumor	11								1		1												
2. Diseases of Uterus	9										1												
3. Hydrocele																							
III.—ORDER 7. Organs of Locomotion	9			1					1										1				
1. Arthritis																							
2. Joint Diseases	9			1					1										1				
III.—ORDER 8. Integumentary System	88		1	2	2		3			2	5	2						5	3				
1. Phlegmon	28		1	2	1		1					1						4	2				
2. Ulcer	9										1												
3. Skin Diseases	51				1		2			2	4	1						1	1				
CLASS IV.—DEVELOPMENTAL DISEASES	2,033	1	61	12	5	24	51	8	32	32	54	19	5	7	4	7	19	4	26	38	8	27	
IV.—ORDER 1. Dev. Dis. of Children	862	1	23	9	4	10	25	6	10	10	15	8	1	6	3		6	3	10	11	6	10	
1. Still-born	691	1	23	3	3	10	21	4	8	6	11	8		5	2		5	3	9	11	5	7	
2. Infantile	30								2	1	3								1			2	
2. Premature Birth	41									3	1				1		1						
3. Cyanosis	1																						
4. Spina Bifida	1																						
5. Other Malformations	10				1								1								1	1	
6. Teething	84			5			4	2						1									
7. Injury at Birth	4			1																			
IV.—ORDER 2. Dev. Diseases of Women	218		6	2		4	8		3	4	6	1					4		3	4	1	3	
1. Dysmenorrhea																							
1. Turn of Life	9					2											1						
2. Childbirth	199		6	2		2	8		3	4	5						3		2	2 4	1	3	
2. Abortion	8										1	1							1				
2. Uterine Hemorrhage	2																						

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	STATE.	COUNTIES.—1881.																								
		Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
IV.—ORDER 3. Dev. Dis. of Old People.	725	....	30	1	1	....	9	4	....	16	15	29	10	3	....	1	2	9	-	....	10	4	17	....	1	7
1. Old Age	725	....	30	1	1	....	9	4	....	16	15	29	10	3	....	1	2	9	-	....	10	4	17	....	1	7
IV.—ORDER 4. Diseases of Nutrition..	228	....	2	....	-	....	1	14	2	3	3	4	....	....	1	....	3	....	-	1	3	1	6	....	....	7
1. Atrophy and Debility	228	....	2	....	-	....	1	14	2	3	3	4	....	....	1	....	3	....	-	1	3	1	6	....	....	7
CLASS V.—VIOLENT DEATHS	966	....	14	7	2	2	9	26	8	18	13	20	2	4	4	....	6	7	2	8	11	4	18	2		5
V.—ORDER 1. Accident or Negligence.	570	....	7	7	2	2	3	14	8	12	6	11	....	3	3	....	3	4	2	4	4	3	13	....		2
1. Fractures and Contusions	92	....	....	....	-	....	1	4	....	2	2	6	....	....	....	....	2	1	-	1	1	....	6	....		....
2. Wounds	26	....	....	....	-	....	....	....	....	....	2	....	....	....	....	....	....	....	1	....	....	....	2	....		....
3. Burns and Scalds	175	....	2	2	-	....	1	....	1	....	....	....	....	....	....	....	1	....	-	....	1	2	....	....		1
4. Poison	36	....	1	1	-	1	....	4	....	1	1	2	....	....	....	....	....	....	-	....	....	....	1	....		....
5. Drowning	125	....	1	2	1	1	....	6	7	5	1	2	....	1	3	....	....	1	1	2	....	1	2	....		....
6. Suffocation	35	....	1	....	1	....	1	....	....	....	....	....	....	1	....	....	....	....	-	....	....	....	1	....		....
7. Otherwise	81	....	2	2	-	....	....	....	....	4	....	1	....		....	....	....	2	-	1	2	....	1	....		1
V.—ORDER 2. In Battle	.....	....	....	....	-	....	....	....	....	....	....	....	....		....	....	....	....	-	....	....	....	....	....		....
V.—ORDER 3. Homicide	3	....	....	....	-	....	....	....	....	....	....	....	....		....	....	....	....	-	....	....	....	1	....		....
1. Murder	11	....	....	....	-	....	1	....	....	....	....	....	....		....	....	....	1	-	....	....	....	....	....		....
V.—ORDER 4. Suicide	57	....	....	....	-	....	....	1	....	....	3	5	....		....	....	1	....	-	....	2	....	1	....		....
1. Wounds	7	....	....	....		....	....	....	....	....	....	....	....		....	....	....	....	-	....	....	....	....	....		....

2. Poison	12	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	1	----	----	----	----	----
3. Drowning	3	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Hanging	8	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5. Otherwise and not Specified	27	----	----	----	----	----	----	----	----	----	2	4	----	----	----	----	1	----	----	----	1	----	1	----	----	----
V.—ORDER 5. Execution	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Hanging	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
V.—ORDER 6. Violent Deaths not Included above	325	----	7	----	----	----	5	11	----	6	4	4	2	1	1	----	2	2	----	4	5	1	3	2	----	3
UNCLASSIFIED	67	----	----	----	----	----	----	1	----	----	----	1	1	----	1	----	1	----	----	----	----	----	1	----	----	----
1. Head Disease	3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Hemorrhage	17	----	----	----	----	----	----	1	----	----	----	1	1	----	----	----	----	----	----	----	----	----	1	----	----	----
3. Inflammation	39	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	1	----	----	----	----	----	----	----	----	----
4. Otherwise	8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Causes not specified	1,634	2	41	19	6	7	15	32	3	38	22	27	11	4	19	----	6	19	----	43	44	27	27	----	3	35

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	COUNTIES,—1881.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee
All Causes	372	243	242	298	300	174	176	....	407	437	38	1022	122	48	306	96	415	259	19	305	181	5	406	184	297	150
Specified Causes	348	209	208	275	284	146	149	....	385	410	33	972	109	44	284	93	370	239	19	287	164	4	381	162	279	130
Causes not Specified	24	34	34	23	16	28	27	....	22	27	5	50	13	4	22	3	45	20	....	18	17	1	25	22	18	20
CLASSES.																										
I.—Zymotic Diseases	105	78	64	104	114	96	66	....	134	177	10	502	49	22	120	60	86	79	7	103	74	....	172	112	188	57
II.—Constitutional Diseases	62	21	14	60	46	7	19	....	58	58	5	136	8	7	36	10	83	44	3	46	16	....	23	15	22	15
III.—Local Diseases	114	61	35	73	83	20	43	....	132	122	12	224	39	8	89	10	138	85	4	83	48	1	65	21	51	19
IV.—Developmental Diseases	54	37	18	24	29	15	15	....	39	45	5	80	8	....	29	11	48	25	3	37	12	3	74	9	10	10
V.—Violent Deaths	12	12	71	12	12	7	6	....	22	8	1	23	5	7	8	2	13	6	2	16	13	....	44	5	7	20
Unclassified	1	....	6	2	....	1	....	....	....	....	....	....	....	....	2	....	2	....	....	2	1	....	3	....	1	9
ORDERS.																										
I.—1. Miasmatic Diseases	104	78	64	104	113	96	66	....	130	177	10	504	48	22	119	60	86	79	7	103	74	....	170	112	188	57
2. Enthetic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Dietic Diseases	....	....	....	....	....	....	....	....	....	....	....	4	1	....	....	....	....	....	....	....	....	....	2	....	....	....
4. Parasitic Diseases	1	....	....	....	1	....	....	....	4	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....
II.—1. Diathetic Diseases	13	5	4	19	11	1	2	....	17	12	1	24	3	3	11	4	27	18	1	14	2	....	5	2	1	2
2. Tubercular Diseases	49	16	10	41	35	6	17	....	41	46	4	112	5	4	25	6	56	26	2	32	14	....	18	13	21	13

III.—1. Diseases of Nervous System	33	38	10	25	34	8	22	66	39	5	90	9	3	36	2	45	31	..	..	30	16	....	27	7	21	11
2. Diseases of Organs of Circulation	22	4	1	7	8	3	2	20	14	2	28	1	..	12	1	27	12	..	..	15	6	1	5	1	2	....
3. Diseases of Respiratory Organs	29	11	19	16	17	4	11	11	36	5	56	17	4	26	1	29	20	2	..	14	16	....	21	7	19	6
4. Diseases of Digestive Organs	14	4	4	16	16	3		24	15	....	32	7	1	15	5	17	9	1	..	17	10	....	11	2	7	2
5. Diseases of Urinary Organs	12	2	....	6	5	2		9	16	....	13	4	..	....	1	13	11	1	..	5	..	....	1	3	1	....
6. Diseases of Generative Organs	1	2	....	1	....	....		....	1	....	2	..	..	....	..	....	1	..	..	....	..	....	....	....	....	....
7. Diseases of Organs of Locomotion	....	....	....	....	1	....		....	....	....	....	..	..	....	..	2	..	..	..	....	..	....	....	....	....	....
8. Dis. of Integumentary System	3	....	1	2	2	....		2	1	....	3	1	..	....	..	5	1	..	..	2	..	....	....	1	1	....
IV.—1. Developmental Dis. of Children	9	29	9	8	13	7	5	14	13	2	32	6	..	14	2	10	12	..	..	17	8	....	30	2	5	6
2. Developmental Dis. of Women	8	....	....	3	3	6	3	3	4	3	7	1	..	1	5	5	..	1	..	3	1	....	4	1	3	2
3. Developmental Dis. of Old People	32	5	8	13	12	2	7	20	22	....	27	1	..	10	2	31	10	..	..	14	2	1	6	5	2	2
4. Diseases of Nutrition	5	3	1	....	1	....	..	2	6	....	14	..	..	4	2	2	3	2	..	3	1	2	34	1	....	....
V.—1. Accident or Negligence	6	7	69	4	9	3	2	10	5	....	15	1	5	6	1	5	2	1	..	9	7	....	4	3	2	3
2. Battle	....	....	....	....	....	....	..	....	....	....	....	..	..	....	..	....	..	..	..	....	..	....	....	....	....	....
3. Homicide	....	....	....	....	....	....	..	....	....	....	1	..	..	....	..	....	..	..	..	....	..	....	....	....	....	....
4. Suicide	1	....	....	5	....	....	..	4	....	....	1	..	..	1	..	2	1	..	..	1	..	....	....	1	1	....
5. Execution	....	....	....	....	....	....	..	....	....	....	....	..	..	....	..	....	..	..	..	....	..	....	....	....	....	....
6. Violent Deaths	5	5	2	3	3	4	4	8	3	1	6	4	2	1	1	6	3	1	..	6	6	....	40	1	4	17
CLASS I.—ZYMOTIC	105	78	64	104	114	96	66	134	177	10	509	49	22	120	60	86	79	7	..	103	74	....	172	112	188	57
I.—ORDER 1. Miasmatic	104	78	64	104	113	96	66	130	177	10	504	8	22	119	60	86	79	7	..	103	74	....	170	112	188	57
1. Small-pox	....	....	....	....	1	....	..	1	....	....	4	..	..	....	42	....	..	..	..	....	..	....	....	....	2	....
2. Measles	....	....	11	5	7	1	2	2	5	....	15	2	1	18	..	5	4	..	..	....	7	....	19	2	2	2
3. Scarlatina	....	9	10	2	1	14	..	11	....	1	58	20	..	7	..	3	4	2	..	....	..	....	....	....	2	....
4. Diphtheria	29	3	15	29	42	57	41	26	77	7	180	4	14	19	10	12	17	..	..	25	4	....	19	83	134	1
5. Quinsy	....	....	....	1	....	....	2	1	....	....	....	..	1	....	..	....	1	..	..	....	..	....	1	....	1	....
6. Croup	2	5	6	1	4	2	..	14	6	....	35	1	..	2	3	4	1	2	..	1	9	....	32	1	4	7

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	COUNTIES.—1881.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
7. Whooping-cough	3	1	....	..	2	.	....	....	3	5	....	8	.	....	2	....	5	....	....	5	10	....	4	2	....	2
8. Typhoid Fever	27	19	1	27	24	7	8	....	12	13	....	37	2	2	17	....	10	9	1	28	5	....	36	2	20	8
8. Typhus Fever	.	1	....	..	..	.	....	....	....	1	....	....	.	....	1	1	....	....	....	....	....	....	3	.	....	....
8. Typho-malarial Fever	.	....	....	1	..	.	....	....	....	9	....	....	.	....	1	....	1	....	....	1	9	....	1	.	....	....
9. Erysipelas	2	....	1	3	3	.	....	....	4	3	....	2	.	....	1	1	4	3	....	2	....	....	1	3	1	....
10. Puerperal Fever	.	....	....	..	2	.	2	....	1	....	....	4	.	....	5	....	....	1	....	1	....	....	4	.	2	....
11. Carbuncle	.	....	....	..	..	.	....	....	....	....	....	1	.	....	..	....	....	....	....	....	....	....	....	.	....	....
12. Influenza	8	....	....	..	1	.	....	....	....	....	....	....	.	....	..	....	....	2	....	1	....	....	....	.	....	....
13. Dysentery	5	3	....	3	6	1	3	....	6	9	1	18	1	....	8	....	4	15	....	4	1	....	1	2	6	4
14. Diarrhea	4	26	10	3	..	2	....	....	6	6	....	41	4	....	11	....	5	6	1	21	9	....	27	3	....	4
15. Cholera Infantum	7	3	4	19	13	7	3	....	28	30	....	70	13	3	15	....	21	11	....	6	12	....	12	6	5	10
16. Cholera Morbus	1	3	....	3	1	2	1	....	5	1	....	....	.	....	3	....	2	2	....	....	2	....	1	2	....	1
16. Cholera	.	1	1	1	..	.	.	....	1	....	....	....	.	....	..	....	1	....	....	....	....	....	2	.	....	1
17. Ague	2	1	1	..	2	2	3	....	2	6	....	16	.	....	3	....	5	2	....	3	3	....	1	2	3	1
18. Remittent Fever	8	3	3	1	..	1	1	....	3	2	....	8	.	....	6	2	3	....	1	4	2	....	3	3	6	15
19. Rheumatism	6	....	1	5	4	.	.	....	4	4	1	7	1	1	....	1	1	1	....	1	1	....	3	1	....	1
I.—ORDER 2. Enthetic	..	....	....	....	....	.	.	....	....	....	....	....	.	....	....	....	....	....	....	....	....	....	....	.	....	....
1. Syphilis	....	....	....	....	....	.	.	....	....	....	....	....	.	....	....	....	....	....	....	....	....	....	....	.	....	....
2. Stricture of Urethra	....	....	....	....	....	.	.	....	....	....	....	....	.	....	....	....	....	....	....	....	....	....	....	.	....	....
2. Stricture	....	....	....	....	....	.	.	....	....	....	....	....	.	....	....	....	....	....	....	....	....	....	....	.	....	....

3. Hydrophobia	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Glanders	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
I.—ORDER 3. Dietic	----	----	----	----	----	----	----	----	----	----	----	4	1	----	----	----	----	----	----	----	----	2	----	----	----
1. Privation	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Purpura	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Rachitis	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----
2. Scurvy	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Delirium Tremens (Alcoholism)	----	----	----	----	----	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Intemperance	----	----	----	----	----	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	----	2	----	----	----
I.—ORDER 4. Parasitic	1	----	----	----	1	----	----	----	4	----	----	1	----	----	1	----	----	----	----	----	----	----	----	----	----
1. Thrush	1	----	----	----	1	----	----	----	3	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Worms	----	----	----	----	----	----	----	----	1	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----
3. Disease of Scalp	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
CLASS II.—CONSTITUTIONAL	62	21	14	60	46	7	19	----	58	58	5	136	8	7	36	10	83	44	3	46	16	----	23	15	22	15
II.—ORDER 1. Diathetic	13	5	4	19	11	1	2	----	17	12	1	24	3	3	11	4	27	18	1	14	2	----	5	2	1	2
1. Gout	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Anæmia	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----
2. Dropsy	5	3	1	9	2	1	----	----	2	4	----	13	----	3	3	4	9	9	----	7	1	----	3	2	----	2
3. Cancer	8	2	2	10	6	----	2	----	15	8	----	9	3	----	8	----	17	8	1	7	1	----	2	----	1	----
4. Noma (Canker)	----	----	1	----	3	----	----	----	----	----	1	1	----	----	----	----	----	1	----	----	----	----	----	----	----	----
5. Mortification	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
II.—ORDER 2. Tubercular	49	16	10	41	35	6	17	----	41	46	4	112	5	4	25	6	56	26	2	32	14	----	18	13	21	13
1. Scrofula	2	1	1	----	2	----	----	----	----	----	----	1	----	----	1	----	----	----	----	----	1	----	----	----	----	----
2. Consumption of Bowels	----	----	----	3	1	----	----	----	----	----	----	5	----	----	1	----	3	1	----	----	----	----	----	----	----	----
3. Phthisis (Consumption of Lungs)	47	15	9	37	32	6	17	----	41	46	4	106	5	4	23	6	53	25	2	31	13	----	16	13	21	13

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	COUNTIES.—1881.																								
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
4. Hydrocephalus	----	----	----	1	----	----	-	----	---	---	----	----	----	----	----	--	----	----	----	1	----	----	1	----	----	----
5. Marasmus	----	----	----	----	----	----	-	----	---	----	----	----	----	----	----	--	----	----	----	----	----	----	1	----	----	----
CLASS III.—LOCAL DISEASES	114	61	35	73	83	20	43	----	132	122	12	224	39	8	89	10	138	85	4	83	48	1	65	21	51	19
III.—ORDER I. Nervous System	33	38	10	25	34	8	22	----	66	39	5	90	9	3	36	2	45	31	----	30	16	----	27	7	21	11
1. Cephalitis	1	10	1	5	4	1	6	----	7	4	----	24	4	----	7	1	8	5	----	6	3	----	7	1	3	5
2. Apoplexy	1	----	----	3	1	----	-	----	6	11	----	1	3	1	----	--	5	5	----	1	----	----	----	----	2	----
3. Paralysis	11	----	----	2	3	1	3	----	5	12	----	13	----	----	6	--	10	9	----	3	1	----	1	----	2	----
4. Insanity	----	----	----	----	----	----	1	----	---	2	----	1	----	----	1	--	1	----	----	----	----	----	----	----	----	1
5. Chorea	1	----	----	----	1	----	-	----	---	----	----	----	----	----	----	--	----	----	----	----	----	----	----	----	----	----
6. Epilepsy	----	----	----	----	----	----	1	----	2	4	1	2	----	----	1	--	3	----	----	1	2	----	1	----	----	----
7. Tetanus	----	----	----	----	----	----	-	----		----	----	----	----	----	----	--	----	----	----	----	----	----	----	----	----	2
8. Convulsions	3	22	2	----	5	1	1	----	5	2	----	12	2	1	5	1	6	2	----	5	7	----	10	4	2	1
9. Brain Disease	12	----	4	9	14	3	3	----	11	3	----	14	----	----	9	--	7	6	----	7	3	----	3	1	2	1
9. Dropsy of Brain	1	5	3	2	----	----	1	----	3	----	----	1	----	----	2	--	3	----	----	4	----	----	----	----	1	1
10. Spinal Fever	3	----	----	2	4	1	5	----		----	2	13	----	1	2	--	----	----	----	2	----	----	----	----	3	----
11. Spotted Fever	----	1	----	----	----	----	-	----		----	----	1	----	----	----	--	----	----	----	----	----	----	----	----	----	----
12. Meningitis	----	----	----	----	----	----	-	----	4	1	----	----	----	----	1	--	1	----	----	----	----	----	2	1	----	----
13. Meningitis, Cerebro-spinal	----	----	----	----	----	----	-	----	3	----	----	4	----	----	2	--	----	----	----	----	----	----	1	----	2	----
14. Meningitis, Spinal	----	----	----	2	2	1	1	----	19	----	2	4	----	----	----	--	1	3	----	1	----	----	2	----	4	----
15. Neuralgia	----	----	----	----	----	----	-	----		--	----	----	----	----	----	--	----	----	----	----	----	----	----	----	----	----

16. Spine Disease	----	-	--	----	--		----		--	--		----		--		-	--	--	----	----	----	----	----	----	----	----
17. Spine, Inflam. of	--	-	--	----	--		----		--	--		----		--		-	--	1	----	----	----	----	----	----	----	----
18. Frightened	--	-	--	----	--		----		--	--		----		--		-	--	--	----	----	----	----	----	----	----	----
III.—ORDER 2. Organs of Circulation	22	4	1	7	8	3	2		20	14	2	28		--	12	1	27	12	----	15	6	1	5	1	2	----
1. Pericarditis	--	-	--	3	2		1		5	--		5		--	5	1	4	2	----	1	----	----	----	----	----	----
2. Aneurism	--	2	--	----	--		----		--	--		----		--		-	--	--	----	----	----	----	----	----	----	----
3. Heart Disease	22	2	1	4	6	3	1		15	14	2	23		--	7	-	23	10	----	14	6	1	5	1	1	----
4. Emboli	--	-	--	----	--		----		--	--		----	--	--		-	--	--	----	----	----	----	----	----	1	----
III.—ORDER 3. Respiratory Organs	29	11	19	16	17	4	11		11	36	5	56	17	4	26	1	29	20	2	14	16	----	21	7	19	6
1. Epistaxis	--	-	--	----	--		----		--	--		1	--	--		-	--	--	----	----	----	----	----	----	----	----
2. Laryngitis	--	-	--	----	--		----		--	--		----	--	--		-	--	--	----	----	----	----	----	----	----	----
3. Bronchitis	1	4	1	2	--		----		--	1		3	6	--	--	----	--	--	----	1	3	----	8	----	----	1
4. Pleurisy	--	-	--	2	--		----		1	2		----	--	--	--	----	1	2	----	----	----	----	----	----	----	----
5. Pneumonia	16	5	17	10	13	4	10		9	26	5	41	10	3	19	1	19	13	2	9	10	----	11	6	16	4
6. Asthma	1	1	--	----	--		----		1	--		2	--	--	--	----	2	1	----	----	1	----	----	----	----	----
7. Lung Disease	10	1	1	2	4		1		--	7		7	1	1	6	----	7	3	----	4	2	----	2	1	3	1
8. Catarrh	1	-	--	----	--		----		--	--		2	--	--	--	----	--	1	----	----	----	----	----	----	----	----
III.—ORDER 4. Digestive Organs	14	4	4	16	16	3	7	----	24	15	----	32	7	1	15	5	17	9	1	17	10	----	11	2	7	2
1. Gastritis	1	----	----	1	3	----	1	----	1	----	----	3	2	----	2	----	1	----	----	1	1	----	3	2	----	----
2. Enteritis	1	3	2	6	8	2	2	----	8	4	----	14	1	----	5	2	9	4	----	6	6	----	6	----	3	2
3. Peritonitis	----	----	----	----	----	----	----	----	1	2	----	----	2	----	----	----	----	----	----	----	----	----	1	----	----	----
4. Ascites	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5. Ulceration of Intestines	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----
6. Hernia	1	----	----	1	----	----	----	----	1	----	----	1	----	1	----	----	1	----	----	1	----	----	----	----	----	----
7. Obstruction of Bowels	----	----	1	2	----	1	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
8. Intussusception	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	COUNTIES.—1881.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
9. Stricture of Intestines	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10. Fistula	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11. Stomach Diseases	2	1	----	2	3	----	----	----	4	3	----	4	----	----	1	1	3	1	----	3	3	----	1	----	1	----
12. Pancreas Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13. Hepatitis	----	----	1	----	----	----	----	----	----	1	----	----	1	----	----	----	----	----	----	----	----	----	----	----	1	----
14. Jaundice	5	----	----	----	----	----	----	----	2	1	----	----	----	----	2	1	----	----	----	----	----	----			1	----
15. Liver Diseases	1	----	----	3	2	----	3	----	3	2	----	4	1	----	1	----	2	----	1	4	----	----			1	----
16. Spleen Diseases	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	1	----	----	----	----			----	----
17. Bowel Diseases, etc.	3	----	----	1	----	----	1	----	3	2	----	4	----	----	4	1	1	2	----	2	----	----			----	----
18. Mouth Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----			----	----
III.—ORDER 5. Urinary Organs	12	2	----	6	5	2	1	----	9	16	----	13	4	----	----	1	13	11	1	5	----	----		3	1	----
1. Nephritis	----	----	----	----	----	----	----	----	1	1	----	----	2	----	----	----	----	1	----	1	----	----		----	----	----
2. Ischuria	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----		----	----	----
3. Bright's Disease of Kidneys	6	2	----	3	3	----	----	----	1	4	----	2	2	----	----	----	7	3	1	1	----	----		----	----	----
4. Diabetes	3	-	----	2	1	----	1	----	1	8	----	4	----	----	----	----	3	2	----	----	----	----	----	2		----
5. Calculus (Gravel, etc.)	1	-	----	----	1	----	----	----	1	----	----	----	----	----	----	1	----	----	--	-	----	----	----			----
6. Cystitis	----	-	----	----	----	----	----	----	2	1	----	2	----	----	----	----	1	----	--	1	----	----	----			----
7. Kidney Disease	2	-	----	1	----	2	----	----	3	2	----	5	----	----	----	----	2	5	--	2	----	----	----			----
III.—ORDER 6. Generative Organs	1	2	----	1	----	----	----	----	----	1	----	2	----	----	----	----	----	1	--	-	----	----	----			----

1. Ovarian Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Ovarian Tumor	----	----	----	1	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Diseases of Uterus	1	2	----	----	----	----	----	----	----	----	----	2	----	----	----	----	----	1	----	----	----	----	----	----	----	----
3. Hydrocele	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 7. Organs of Locomotion	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	----
1. Arthritis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Joint Diseases	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	----
III.—ORDER 8. Integumentary System.	3	----	1	2	2	----	----	----	2	1	----	3	1	----	----	----	5	1	----	2	----	----	----	1	1	----
1. Phlegmon	----	----	----	----	----	----	----	----	----	----	----	3	1	----	----	----	2	1	----	----	----	----	----	1	----	----
2. Ulcer	----	----	----	2	1	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Skin Diseases	3	----	1	----	1	----	----	----	1	1	----	----	----	----	----	----	3	----	----	2	----	----	----	----	1	----
CLASS IV.—DEVELOPMENTAL DISEASES.	54	37	18	24	29	15	15	----	39	45	5	80	8	----	29	11	48	25	3	37	12	3	74	9	10	10
IV.—ORDER 1. Dev. Diseases of Children	9	29	9	8	13	7	5	----	14	13	2	32	6	----	14	2	10	12	----	17	8	----	30	2	5	6
1. Still-born	9	24	8	6	12	4	4	----	11	10	2	28	3	----	13	1	6	10	----	11	6	----	26	1	5	3
2. Infantile	----	----	----	----	----	----	----	----	1	----	----	----	----	----	1	----	----	----	----	1	----	----	2	----	----	1
2. Premature Birth	----	----	----	----	----	----	1	----	1	2	----	1	3	----	----	----	2	1	----	2	----	----	1	----	----	----
3. Cyanosis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Spina Bifida	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5. Other Malformations	----	1	----	----	1	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----
6. Teething	----	4	1	2	----	3	----	----	1	1	----	3	----	----	----	1	----	1	----	3	2	----	1	1	----	2
7. Injury at Birth	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----
IV.—ORDER 2. Dev. Diseases of Women	8	----	----	3	5	6	3	----	3	4	3	7	1	----	1	5	5	----	1	3	1	----	4	1	3	2
1. Dysmenorrhea	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Turn of Life	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	1	----	----	----	----	----	----
2. Childbirth	8	----	----	2	1	6	3	----	3	4	3	6	1	----	1	4	5	----	1	2	1	----	4	1	3	2
2. Abortion	----	----	----	----	2	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Uterine Hemorrhage	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	COUNTIES.—1881.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
IV.—ORDER 3. Dev. Dis. of Old People..	32	5	8	13	12	2	7	....	20	22	....	27	1	....	10	2	31	10	....	14	2	1	6	5	2	2
1. Old Age	32	5	8	13	12	2	7	....	20	22	....	27	1	....	10	2	31	10	....	14	2	1	6	5	2	2
IV.—ORDER 4. Diseases of Nutrition	5	3	1	....	1	....	....	....	2	6	....	14	....	....	4	2	2	3	2	3	1	2	34	1	....	....
1. Atrophy and Debility	5	3	1	....	1	....	....	....	2	6	....	14	....	....	4	2	2	3	2	3	1	2	34	1	....	....
CLASS V.—VIOLENT DEATHS	12	12	71	12	12	7	6	....	22	8	1	23	5	7	8	2	13	6	2	16	13	....	44	5	7	20
V.—ORDER 1. Accident or Negligence	6	7	69	4	9	3	2	....	10	5	....	15	1	5	6	1	5	2	1	9	7	....	4	3	2	3
1. Fractures and Contusions	2	1	....	....	2	....	....	....	2	1	....	4	1	3	1	....	1	....	....	1	....	....	1	1	1	1
2. Wounds	....	....	....	....	....	....	....	....	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....
3. Burns and Scalds	....	2	63	....	3	....	....	....	2	1	....	....	....	2	2	....	2	....	....	....	2	....	....	....	1	....
4. Poison	....	1	....	1	1	....	....	....	1	....	....	1	....	....	....	....	1	1	....	....	1	....	....	....	....	....
5. Drowning	1	1	5	1	2	1	....	....	1	1	....	4	....	....	1	1	....	....	....	6	4	....	2	....	....	....
6. Suffocation	1	1	....	1	....	....	1	....	3	1	....	2	....	....	....	....	....	....	....	....	....	....	....	2	....	1
7. Otherwise	2	1	1	1	1	2	1	....	....	1	....	3	....	....	1	....	1	1	1	2	....	....	1	....	....	1
V.—ORDER 2. In Battle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 3. Homicide	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1. Murder	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 4. Suicide	1	....	....	5	....	....	....	....	4	....	....	1	....	....	1	....	2	1	....	1	....	....	....	1	1	....
1. Wounds	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....

2. Poison	....	....	....	....	....	....		....	1	....	....	....	1	....	....	....	....	....	....	....	....	....		....	....	....	....
3. Drowning	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....		....	1	....	....
4. Hanging	....	....	....	2	....	....		....	1	....	....	....	....	....	....	....	....	1	....	....	....	....		....	....	1	....
5. Otherwise and not Specified	1	....	....	1	....	....		....	2	....	....	....	....	....	....	1	....	1	1	....	....	....		....	....	....	....
V.—ORDER 5. Execution	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....
1. Hanging	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....
V.—ORDER 6. Violent Deaths not Included above	5	5	2	3	3	4		....	8	3	1	6	4	2	1	1	6	3	1	6	6		40	1	4	17
UNCLASSIFIED	1	....	6	2	....	1		....	....	....	....	....	....	....	2	....	2	....	....	2	1		3	....	1	9
1. Head Disease	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....
2. Hemorrhage	1	....	....	1	....	....		....	....	....	....	....	....	....	....	....	....	....	....	1	....		1	....	1	....
3. Inflammation	....	....	6	1	....	1		....	....	....	....	....	....	....	....	....	1	....	....	1	1		....	....	....	9
4. Otherwise	....	....	....	....	....	....		....	....	....	....	....	....	....	2	....	1	....	....	....	....		2	....	....	....
Causes not specified	24	34	34	23	16	28	27	....	22	27	5	50	13	4	22	3	45	20	....	18	17		25	22	18	20

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	COUNTIES.—1881.																										
	Midland.	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
All Causes	83	27	346	396	5	462	165	390	166	25	19	127	11	23	420	38	12	957	298	14	254	464	232	344	310	405	2229	73
Specified Causes	64	20	319	352	5	395	145	363	144	19	16	113	11	18	359	28	12	911	259	11	242	424	222	312	292	337	2121	65
Causes not Specified	19	7	27	44	....	67	20	27	22	6	3	14	....	5	61	10	....	46	39	3	12	40	10	32	18	18	108	8
CLASSES.																												
I.—Zymotic Diseases	24	9	105	165	2	213	86	87	67	5	7	43	5	7	133	7	4	313	81	4	86	147	63	150	103	92	674	34
II.—Constitutional Diseases	9	2	54	49	....	41	19	67	15	2	1	15	1	3	63	4	....	145	29	1	42	46	46	44	59	66	405	7
III.—Local Diseases	14	5	90	89	2	107	31	143	31	9	2	34	5	4	91	10	4	282	52	1	80	130	68	68	84	147	667	18
IV.—Developmental Diseases	11	1	48	23	1	21	4	46	26	2	3	16	....	3	43	3	1	118	23	1	25	79	33	39	27	59	280	3
V.—Violent Deaths	4	3	20	25	....	13	4	17	5	1	3	4	....	....	29	4	3	51	72	4	9	22	12	9	19	21	85	1
Unclassified	2	....	2	1	....	....	1	3	....	....	....	1	....	1	....	....	....	2	2	....	....	....	....	2	....	2	10	2
ORDERS.																												
I.—1. Miasmatic Diseases	24	9	105	164	2	212	86	87	66	5	7	43	5	7	133	7	4	312	81	4	86	147	63	150	101	92	667	34
2. Enthetic Diseases	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....
3. Dietic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	5	....
4. Parasitic Diseases	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....
II.—1. Diathetic Diseases	2	1	11	12	....	11	4	11	6	....	1	6	....	2	17	2	....	30	6	....	11	16	13	8	17	13	69	1
2. Tubercular Diseases	7	1	43	37	....	30	15	56	9	2	....	9	1	1	46	2	....	115	23	1	31	30	33	36	42	53	336	6

III.—1. Dis. of Nervous System.	5	1	28	48	1	36	11	59	14	5	..	13	4	2	38	6	4	110	13	..	33	30	21	22	21	51	300	9
2. Dis. of Org. of Circulat'n	1	1	12	7	..	7	6	15	7	3	..	3	1	1	8	..	..	38	13	..	6	14	12	12	11	24	94	....
3. Dis. of Respi'ry Organs.	2	..	27	23	..	39	12	32	4	1	1	9	..	....	25	3	..	74	12	..	22	52	17	21	33	36	122	5
4. Dis. of Digestive Organs	4	3	20	6	1	21	..	25	5	..	1	8	..	....	14	1	..	44	7	1	11	27	13	10	14	22	112	2
5. Dis. of Urinary Organs..	2	..	....	4	..	3	1	8	..	..	..	....	..	....	6	..	..	8	5	..	6	5	4	1	4	10	24	1
6. Dis. of Gen'tive Organs.	....	..	1	....	..	....	..	2	1	..	..	....	..	....	....	..	..	....	....	..	1	....	1	1	....	....	3	....
7. Dis. of Org's of Locom'n	....	..	....	....	..	....	1	....	..	..	..	....	..	....	....	..		....	....	..	....	....	....	....	....	....	2	....
8. Dis. of Integ'ry System	....	..	2	1	..	1	..	2	..	..	..	1	..	1	....	..	..	8	2	..	1	2	....	1	1	4	10	1
IV.—1. Devel. Dis. of Children.	8	1	24	8	1	14	1	17	13	1	1	6	..	1	19	2	1	66	12	..	11	29	17	21	11	15	125	3
2. Devel. Dis. of Women..	1	..	9	3	..	2	1	4	5	1	..	5	..	....	2	..	..	11	4	..	4	10	4	4	4	1	23	....
3. Devel. Dis. of Old People	2	..	14	12	..	4	2	20	6	..	..	2	..	2	19	1	..	30	7	1	9	30	9	13	12	39	88	....
4. Diseases of Nutrition...	....	..	1	....	..	1	..	5	2	..	2	3	..	....	3	..	..	11	....	..	1	10	3	1	....	4	44	....
V.—1. Accident or Negligence	1	1	12	15	..	6	1	9	5	1	1	3	..	....	17	4	2	29	64	2	3	13	9	3	12	11	54	....
2. Battle	....	..	....	....	..	....	..	....	..	..	..	....	..	....	....	..	..	....	....	..	....	....	....	....	....	....	....	....
3. Homicide	....	..	1	1	..	....	..	....	..	..	..	....	..	....	2	..	1	2	....	..	....	1	....	....	....	....	2	....
4. Suicide	....	..	....	2	..	3	..	1	....	..	1	....	..	....	1	..	..	2	....	..	4	1	1	2	....	2	5	1
5. Execution	....	..	....	....	..	....	..	....	..	..	..	....	..	....	....	..	..	....	....	..	....	....	....	....	....	....	....	....
6. Violent Deaths	3	2	7	7	..	4	3	7	..	..	1	1	..	....	9	..	..	18	8	2	2	7	2	4	7	8	24	....
CLASS I.—ZYMOTIC	24	9	105	165	2	213	86	87	67	5	7	43	5	7	133	7	4	313	81	4	86	147	63	150	103	92	674	34
I.—ORDER 1. Miasmatic	24	9	105	164	2	212	86	87	66	5	7	43	5	7	133	7	4	312	81	4	86	147	63	150	101	92	667	34
1. Small-pox	....	..	....	3	..	....	..	2	....	..	..	....	..	....	....	..	..	....	....	..	....	1	..	....	....	....	12	....
2. Measles	....	..	....	12	..	12	..	2	5	1	..	6	..	....	1	..	..	10	5	..	12	2	....	8	1	....	8	1
3. Scarlatina	....	..	1	4	..	31	7	8	3	..	....	....	..	....	27	..	..	16	8	..	8	11	3	....	1	3	61	3
4. Diphtheria	10	1	12	69	..	47	41	13	27	..	1	9	2	2	33	3	..	103	23	..	12	39	12	85	29	16	136	9
5. Quinsy	....	..	....	1	..	3	..	....	1	..	..	....	..	....	....	..	..	4	....	..	1	....	....	....	1	1	1	....
6. Croup	....	..	10	8	2	7	4	3	4	..	..	2	..	1	3	1	..	26	7	..	2	6	2	7	4	1	67	1

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	COUNTIES.—1881.																											
	Midland.	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
7. Whooping-cough	1	....	8	4	....	3	1	5	1		....	....	....	....	6	....	....	3	2	....	1	5	1	6	2	3	14	1
8. Typhoid Fever	3	3	21	19	....	33	7	18	3		5	2	1	1	23	....	1	43	19	....	17	29	12	12	15	15	69	7
8. Typhus Fever	....	....	4	....	....	....	..	..	....		....	....	....	....	..	....	....	....	....	....	....	2	....	1	....	2	....	1
8. Typho-malarial Fever	....	....	....	1	....	1	..	..	....		....	....	....	....	1	....	....	1	....	....	....	2	....	1	....	....	5	2
9. Erysipelas	....	....	....	5	....	3	2	3	2		1	3	....	....	1	....	....	8	1	....	1	1	1	1	5	7	12	2
10. Puerperal Fever	....	....	2	1	....	1	..	..	2		....	3	....	....	2	....	....	..	....	1	....	1	2	1	....	4	4	....
11. Carbuncle	....	....	....	....	....	....	..	..	....		....	....	....	....	..	....	....	..	....	....	....	....	....	....	....	1	....	....
12. Influenza	....	....	....	....	....	....	..	..	....		....	....	....	....	..	....	....	..	....	....	....	....	....	....	1	....	....	....
13. Dysentery	1	1	10	1	....	5	3	11	3		....	2	....	....	3	....	....	10	3	....	4	8	7	2	6	6	19	....
14. Diarrhea	....	1	11	2	....	20	5	3	....		....	1	....	1	19	....	....	21	4	....	1	12	2	3	1	4	119	2
15. Cholera Infantum	1	1	13	14	....	27	5	7	7		....	12	2	2	7	....	2	46	....	....	19	12	12	12	22	12	66	4
16. Cholera Morbus	1	....	2	1	....	1	..	..	1		....	....	....	....	..	....	1	1	....	....	1	3	....	....	2	4	6	....
16. Cholera	1	....	....	....	....	1	..	..	....		....	....	....	....	..	....	....	..	....	....	1	1	....	....	....	....	3	....
17. Ague	6	....	3	11	....	7	3	7	6		....	....	....	....	1	....	....	6	1	2	3	6	6	....	6	6	39	....
18. Remittent Fever	....	1	5	7	....	8	8	2	1		....	1	....	....	4	3	....	8	7	1	2	5	1	8	2	4	4	....
19. Rheumatism	....	1	....	1	....	2	..	3	....		....	2	....	....	2	....	....	6	1	....	1	1	2	3	3	3	22	1
I.—ORDER 2. Enthetic	....	....	....	1	....	1	....	....	....		....	....	....	....	..	....	....	..	....	....	....	....	....	....	....	....	2	....
1. Syphilis	....	....	....	1	....	1	....	....	....		....	....	....	....	..	....	....	..	....	....	....	....	....	....	....	....	2	....
2. Stricture of Urethra	....	....	....	....	....	....	....	....	....		....	....	....	....	..	....	....	..	....	....	....	....	....	....	....	....	....	....
2. Stricture	....	....	....	....		....	....	....	....		....	....	....	....		....	....	..	....	....	....	....	....	....	....	....	....	....

3. Hydrophobia	....	....		..	....	..	..	....	....	.	....	....	....	....	....	..	....	..	..	....	..	.	....	....
4. Glanders	....	....		..	....	..	..	....	....	.	....	....	....	....	....	..	....	..	..	....	..	.	....	....
I.—ORDER 3. Dietic	....	....		..	....	..	..	....	....	.	....	....	....	....	1	..	....	..	..	....	..	.	5	....
1. Privation	....	....		..	....	..	..	....	....	.	....	....	....	....	....	..	....	..	..	....	..	.	....	....
2. Purpura	....	....		..	....	..	..	....	....	.	....	....	....	....	....	..	....	..	..	....	..	.	....	....
2. Rachitis	....	....		..	....	..	..	....	....	.	....	....	....	....	....	..	....	..	..	....	..	.	1	....
2. Scurvy	....	....		..	....	..	.	....	....	.	....	....	....	....	....	..	....	..	..	....	..	.	....	....
3. Del'm Tre'ns (Alcoholism)	....	....		..	....	..	..	....	....	.	....	....	....	....	....	..	....	..	..	....	..	.	2	....
4. Intemperance	....	....		..	....	..	..	....	....	.	....	....	....	....	1	..	....	..	..	....	..	.	2	....
I.—ORDER 4. Parasitic	....	....		..	....	..	..	1	....	.	....	....	....	....	....	..	....	..	..	....	2	.	....	....
1. Thrush	....	....		..	....	..	..	1	....	.	....	....	....	....	....	..	....	..	..	....	2	.	....	....
2. Worms	....	....		..	....	..	..	....	....	.	....	....	....	....	....	..	....	..	..	....	..	.	....	....
3. Disease of Scalp	....	....		..	....	..	..	....	....	.	....	....	....	....	....	..	....	..	..	....	..	.	....	....
CLASS II.—CONSTITUTIONAL	9	2	54	49	41	19	67	15	2	15	1	3	63	4	145	29	42	46	46	44	59	66	405	7
II.—ORDER 1. Diathetic	2	1	11	12	11	4	11	6	....	6	....	2	17	2	30	6	11	16	13	8	17	13	69	1
1. Gout	....	....	....		....		..	....	....	.	....	....	....	....	....	..	....	..	..	....	..	.	....	....
2. Anæmia	....	....	....		....	..	..	....	....	.	....	....	....	....	..	..	....	..	..	....	..	.	....	....
2. Dropsy	1	....	5	5	6	3	4	2	....	6	....	2	12	2	11	3	2	7	6	3	7	5	34	1
3. Cancer	1	1	5		4	1	4	3	....	.	....	....	3	.	18	1	9	8	6	2	7	8	33	....
4. Noma (Canker)	....	....	1	6	1	..	2	1	....	.	....	....	2	.	1	2	....	1	..	3	3	.	2	....
5. Mortification	....	....	..	..	..	..	1		.	.	....	....	....	.	..	..	..	..	1	.	..	.	....	....
II.—ORDER 2. Tubercular	7	1	43	37	30	15	56	9	2	9	1	1	46	2	15	23	31	30	33	36	42	53	336	6
1. Scrofula	....	....	..	..	1	..	1	.	.	.	....	....	1	.	4	..		..	1	.	2	.	3	2
2. Consumption of Bowels	....	....	3	..	..	..	..	3	.	.	....	....	1	.	3	..	2	..	..	.	..	2	2	....
3. Phthisis (Consumpt'n of L'gs)	7	1	40	37	29	15	55	6	2	9	1	1	44	2	107	23	28	29	32	34	40	51	295	4

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	COUNTIES.—1881.																										
	Midland.	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
4. Hydrocephalus	----	----	----	----	----	----	-		----	----	-	----	----	----	----	----	----	1	----		----	--	----	2	----	----	2	----
5. Marasmus	----	----	----	----	----	----	-		----	----	-	----	----	----	----	----	----	----	----		----	1	----	----	----	----	34	----
CLASS III.—LOCAL DISEASES	14	5	99	89	2	107	31	113	31	9	2	34	5	4	91	10	4	282	52	1	80	130	68	68	84	147	667	18
III.—ORDER 1. Nerv's System.	5	1	28	48	1	36	11	59	14	5	.	13	4	2	38	6	4	110	13	----	33	30	21	22	21	51	300	9
1. Cephalitis	2	----	14	6	----	12	6	--	3	3	.	2	1	-	13	----	----	17	4	----	3	6	3	4	3	5	68	3
2. Apoplexy	1	----	----	3	----	2	-	4	----	----	.	----	-- -	-	3	1	----	4	----	----	----	5	2	----	1	4	16	----
3. Paralysis	----	----	5	----	1	1	-	23	3	----	.	----	----	-	3	----	----	5	1	----	9	2	5	2	1	11	26	----
4. Insanity	----	----	----	----	----	----	-	2	1	----	.	----	----	-	----	----	----	----	----	----	----	1	----	2	----	1	1	----
5. Chorea	----	----	----	----	----	----	-	1	----	----	.	----	----	-	----	----	----	----	----	----	----	--	----	----	----	1	1	----
6. Epilepsy	1	----	2	----	----	----	1	3	----	----	.	2	----	-	2	----	----	----	----	----	----	--	----	----	1	6	9	----
7. Tetanus	----	----	----	1	----	----	-	1	----	----	.	----	----	-	----	----	----	2	----	----	----	--	----	----	----	2	1	----
8. Convulsions	----	----	2	5	----	12	-	5	2	----	.	2	----	.	9	5	3	30	4	----	1	8	----	3	3	2	96	2
9. Brain Disease	1	----	4	7	----	7	-	12	1	2	.	----	3	2	4	----	----	20	2	----	7	4	7	5	8	11	44	2
9. Dropsy of Brain	----	----	1	----	----	----	-	1	----	----	.	----	----	-	----	----	----	1	----	----	2	--	1	1	1	2	8	1
10. Spinal Fever	----	1	----	22	----	1	3	1	2	----	.	6	----	-	1	----	----	4	2	----	2	1	2	3	1	2	----	1
11. Spotted Fever	----	---	----	----	----	----	-	--	1	----	.	1	----	-	3	----	----	1	----	----	----	--	----	----	----	----	----	----
12. Meningitis	----	----	----	----	----	1	-	--	----	----	.	----	----	-	----	----	----	----	----	----	----	3	----	----	----	----	4	----
13. Meningitis, Cerebro-spi'l.	----	----	----	----	----	----	-	2	1	----	.	----	----	-	----	----	----	2	----	----	4	--	----	----	1	----	7	----
14. Meningitis, Spinal	----	----	----	4	----	----	-	4	----	----	.	----	----	-	----	----	1	24	----	----	5	--	1	2	----	4	18	----
15. Neuralgia	----	----	----	----	----	----		--	----	----	.	----	----	-	----	----	----	----	----	----	----	--	----	----	----	----	----	----

16. Spine Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
17. Spine, Inflam. of	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----
18. Frightened	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 2. Organs of Cir.	1	1	12	7	----	7	6	15	7	3	----	3	1	1	8	----	----	38	13	----	6	14	12	12	11	24	94	----
1. Pericarditis	----	----	3	----	----	----	1	4	2	1	----	----	----	----	1	----	----	3	1	----	1	----	----	3	2	8	23	----
2. Aneurism	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Heart Disease	1	1	9	7	----	7	5	11	5	2	----	3	1	1	7	----	----	34	12	----	5	14	12	9	9	16	71	----
4. Embolí	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----
III.—ORDER 3. Respi'y Organs.	2	----	27	23	----	39	12	32	4	1	1	9	----	----	25	3	----	74	12	----	22	52	17	21	33	36	122	5
1. Epistaxis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Laryngitis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	1	----
3. Bronchitis	----	----	----		----	2	----	----	----	----	----	1	----	----	2	----	----	3	----	----	----	1	1	1	----	2	16	----
4. Pleurisy	----	----	1		----	2	----	1	----	----	----	----	----	----	----	----	----	1	----	----	----	1	----	----	1	1	4	----
5. Pneumonia	1	----	20	2	----	32	12	30	3	1	1	5	----	----	20	1	----	54	11	----	18	42	11	19	24	28	67	4
6. Asthma	----	----	4		----	----	----	----	----	----	----	----	----	----	1	1	----	2	----	----	----	----	1	----	----	1	12	----
7. Lung Disease	1	----	2		----	3	----	1	1	----	----	3	----	----	2	1	----	14	1	----	4	8	4	1	8	3	20	1
8. Catarrh	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----
III.—ORDER 4. Digestive Organs.	4	3	20	6	1	21	----	25	5	----	1	8	----	----	14	1	----	44	7	1	11	27	13	10	14	22	112	2
1. Gastritis	----	2	1	----	----	2	----	3	----	----	1	----	----	----	2	----	----	1	----	----	2	2	----	----	2	2	1	----
2. Enteritis	2		7	6	1	9	----	15	3	----	----	4	----	----	5	----	----	22	2	----	2	13	2	3	1	10	65	----
3. Peritonitis	----		----	----	----	----	----	1	1	----	----	----	----	----	----	----	----	4	----	----	1	----	----	----	----	1	3	----
4. Ascites	----		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	1	----
5. Ulceration of Intestines	----		----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6. Hernia	----		----	----		1	----	----	----	----	----	----	----	----	1	----	----	1	----	----	----	1	1	----	2	1	4	----
7. Obstruction of Bowels	----		----	----		----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	1	----	----	----
8. Intussusception	----		----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH, —1881.	COUNTIES.—1881.																											
	Midland.	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
9. Stricture of Intestines	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10. Fistula	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. Stomach Diseases	-	-	6	-	-	3	-	4	-	-		3	-	-	4	1	-	2	2	-	2	2	2	2	3	1	11	1
12. Pancreas Disease	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Hepatitis	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	1	-
14. Jaundice	-	-	-	-	-	-	-	-	1	-		1	-	-	-	-	-	2	2	-	-	1	4	-	-	-	8	-
15. Liver Disease	2		5	-	-	4	-	2	-	-		-	-	-	-	-	-	3	1	-	3	2	4	4	1	2	9	1
16. Spleen Disease	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
17. Bowel Diseases, etc.	-	-	1	-	-	2	-	-	-	-		-	-	-	2	-	-	8	-	1	1	5	-	1	2	2	8	-
18. Mouth Disease	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III.—ORDER 5. Urinary Organs	2		-	4	-	3	1	8	-	-		-	-	-	6	-	-	8	5	-	6	5	4	1	4	10	24	1
1. Nephritis	1		-	-	-	-	-	-	-	-		-	-	-	-	-	-	1	-	-	-	-	1	-	-	6	-	1
2. Ischuria	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. Bright's Dis. of Kidneys	-	-	-	1	-	3		4	-	-		-	-	-	2	-	-	4	1	-	3	1	1	1	2	1	9	-
4. Diabetes	1		-	-	-	-		2	-	-		-	-	-	1	-	-	-	-	-	1	1	-	-	2	1	4	-
5. Calculus (Gravel, etc.)	-	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	-
6. Cystitis	-	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
7. Kidney Diseases	-	-	-	3	-	-		2	-	-		-	-	-	3	-	-	3	4	-	1	2	2	-	-	1	9	-
III.—ORDER 6. Gen've Organs	-	-	1		-	-		2	1	-		-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	3	-

1. Ovarian Disease																												
1. Ovarian Tumor			1					2													1		1				2	
2. Diseases of Uterus																								1			1	
3. Hydrocele																												
III.—ORDER 7. Organs of Loco.							1																				2	
1. Arthritis																												
2. Joint Diseases							1																				2	
III.—ORDER 8. Integu'ry System.			2	1		1		2				1		1				8	2		1	2		1	1	4	10	1
1. Phlegmon						1						1						1	1		1	1					2	
2. Ulcer																		2									1	1
3. Skin Diseases			2	1				2						1				5	1			1		1	1	4	7	
CLASS IV.—DEVLOPMENTAL DIS'S.	11	1	48	23	1	21	4	46	26	2	3	16		3	43	3	1	118	23	1	25	79	33	39	27	59	280	8
IV.—ORDER 1. Dev. Dis. of Chil.	8	1	24	8	1	14	1	17	13	1	1	6		1	19	2	1	66	12		11	29	17	21	11	15	125	3
1. Still-born	8	1	20	8	1	8	1	14	11	1	1	5		1	16	2	1	49	12		9	23	12	18	11	13	91	2
2. Infantile								2										1				1	5	2		1	3	
2. Premature Birth			4					1										7			1	3				1	3	1
3. Cyanosis																											1	
4. Spina Bifida									1																			
5. Other Malformations																		2									1	
6. Teething						6			1			1			2			7			1	2		1			25	
7. Injury at Birth															1												1	
IV.—ORDER 2. Dev. Dis. of Women	1		9	3		2	1	4	5	1		5			2			11	4		4	10	4	4	4	1	23	
1. Dysmenorrhea																												
1. Turn of Life												2												1				
2. Childbirth			9	3		2		4	4	1		3			2			11	4		4	9	4	3	4	1	23	
2. Abortion							1															1						
2. Uterine Hemorrhage	1								1																			

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	COUNTIES.—1881.																										
	Midland.	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
IV.—ORDER 3. Dev. Dis. of Old P'le	2	----	14	12		4	2	20	6	----	----	2	----	2	19	1	----	30	7	1	9	30	9	13	12	39	88	----
1. Old Age	2	----	14	12		4	2	20	6	----	----	2	----	2	19	1	----	30	7	1	9	30	9	13	12	39	88	----
IV.—ORDER 4. Dis. of Nutrition	----	----	1	----		1	----	5	2	----	2	3	----	----	3	--	----	11	----	--	1	10	3	1	----	4	44	----
1. Atrophy and Debility	----	----	1	----		1	----	5	2	----	2	3	----	----	3	--	----	11	----	--	1	10	3	1	----	4	44	----
CLASS V.—VIOLENT DEATHS	4	3	20	25		13	4	17	5	1	3	4	----	----	29	4	3	51	72	4	9	22	12	9	19	21	85	1
V.—ORDER 1. Accid't or Negligence.	1	1	12	15		6	1	9	5	1	1	3	----	----	17	4	2	29	64	2	3	13	9	3	12	11	54	----
1. Fractures and Contusions	----	----	2	2		----	1	1	-	----	----	----	----	----	1	--	----	4	----	--	2	3	4	----	4	5	14	----
2. Wounds	----	----	----	1		1	----	----	1	1	----	1	----	----	3	--	----	2	----	--	----	----	--	1	1	----	6	----
3. Burns and Scalds	----	1	1	4		1	----	1	-	----	----	2	----	----	4	--	----	9	56	--	----	2	--	----	----	----	3	----
4. Poison	----	----	1	3		----	----	1	-	----	1	----	----	----	----	--	----	----	2	--	1	2	--	----	2	----	3	----
5. Drowning	1	----	1	5		3	----	3	-	----	----	----	----	----	8	3	1	8	2	1	----	4	1	1	3	4	8	----
6. Suffocation	----	----	----	----		----	----	----	1	----	----	----	----	----	----	--	----	1	2	--	----	----	1	----	----	----	12	----
7. Otherwise	----	----	7	----		1	----	3	3	----	----	----	----	----	1	1	1	5	2	1	----	2	3	1	2	2	8	----
V.—ORDER 2. In Battle	----	----	----	----		----	----	----	-	----	----	----	----	----	----	--	----	----	----	--	--	--	--	----	----	----	----	----
V.—ORDER 3. Homicide	----	----	1	1		----	----	----	-	----	----	----	----	----	----	--	----	----	----	--	--	--	--	----	----	----	----	----
1. Murder	----	----	----	----		----	----	----	-	----	----	----	----	----	2	--	1	2	----	--	--	1	--	----	----	----	2	----
V.—ORDER 4. Suicide	----	----	----	2		3	----	1	-	----	1	----	----	----	1	--	----	2	----	--	4	1	1	2	----	2	5	1
1. Wounds	----	----	----	----		----	----	----	-	----	----	----	----	----	1		----	1	----	--	--	--	1	----	----	----	1	----

2. Poison	--	--	--	1	2	----	----	----	----	----	----	----	----	--	--	--	----	----	1	----	----	--	--	2	2	----
3. Drowning	--	--	--	----	--	----	1	----	----	----	----	----	----	--	--	--	----	----	--	----	----	--	--	----	----	----
4. Hanging	--	--	--	1	--	----	----	----	----	1	----	----	----	--	--	--	----	----	--	----	----	--	--	----	----	----
5. Otherwise and not Specified	--	--	--	----	1	----	----	----	----	----	----	----	----	--	--	1	----	----	3	1	----	2	--	----	2	1
V.—ORDER 5. Execution	--	--	--	----	--	----	----	----	----	----	----	----	----	--	--	--	----	----	--	----	----	--	--	----	----	----
1. Hanging	--	--	--	----	--	----	----	----	----	----	----	----	----	--	--	--	----	----	--	----	----	--	--	----	----	----
V.—ORDER 6. Violent Deaths not included above	3	2	7	7	4	3	7	----	----	1	1	----	----	9	--	18	8	2	2	7	2	4	7	8	24	----
UNCLASSIFIED	2	--	2	1	--	1	3	----	----	----	1	----	1	--	--	2	2	----	--	----	----	2	--	2	10	2
1. Head Disease	--	--	--	----	--	----	----	----	----	----	----	----	----	--	--	--	----	----	--	----	----	--	--	----	3	----
2. Hemorrhage	--	--	--	----	--	----	2	----	----	----	1	----	1	--	--	1	----	----	--	----	----	--	--	----	3	----
3. Inflammation	2	--	2	1	--	1	1	----	----	--	--	----	----	--	--	1	2	----	--	----	----	1	--	2	3	1
4. Otherwise	--	--	--	----	--	----	----	----	----	--	--	----	----	--	--	--	----	----	--	----	----	1	--	----	1	1
Causes not Specified	19	7	27	44	67	20	27	22	6	3	14	----	5	61	10	46	39	3	12	40	10	32	18	18	108	8

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1881.	COUNTIES.—1881.																										
	Midland.	Missaukee.	Monroe.	Montcalm.	Montmorency.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Oscoda.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
IV.—ORDER 3. Dev. Dis. of Old P'le	2	----	14	12	----	4	2	20	6	----	----	2	----	2	19	1	----	30	7	1	9	30	9	13	12	39	88	----
1. Old Age	2	----	14	12	----	4	2	20	6	----	----	2	----	2	19	1	----	30	7	1	9	30	9	13	12	39	88	----
IV.—ORDER 4. Dis. of Nutrition	----	----	1	----	----	1	----	5	2	----	2	3	----	----	3	----	----	11	----	----	1	10	3	1	--	4	44	----
1. Atrophy and Debility	----	----	1	----	----	1	----	5	2	----	2	3	----	----	3	----	----	11	----	----	1	10	3	1	--	4	44	----
CLASS V.—VIOLENT DEATHS	4	3	20	25	----	13	4	17	5	1	3	4	----	----	29	4	3	51	72	4	9	22	12	9	19	21	85	1
V.—ORDER 1. Accid't or Neglig'ce.	1	1	12	15	----	6	1	9	5	1	1	3	----	----	17	4	2	29	64	2	3	13	9	3	12	11	54	----
1. Fractures and Contusions	----	----	2	2	----	----	1	1	----	----	----	----	----	----	1	----	----	4	----	----	2	3	4	----	4	5	14	----
2. Wounds	----	----	----	1	----	1	----	----	1	1	----	1	----	----	3	----	----	2	----	----	----	----	----	1	1	----	6	----
3. Burns and Scalds	----	1	1	4	----	1	----	1	----	----	----	2	----	----	4	----	----	9	56	----	----	2	----	----	--	----	3	----
4. Poison	----	----	1	3	----	----	----	1	----	----	1	----	----	----	----	----	----	----	2	----	1	2	----	----	2	----	3	----
5. Drowning	1	----	1	5	----	3	----	3	----	----	----	----	----	----	8	3	1	8	2	1	----	4	1	1	3	4	8	----
6. Suffocation	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	1	2	----	----	----	1	----	--	----	12	----
7. Otherwise	----	----	7	----	----	1	----	3	3	----	----	----	----	----	1	1	1	5	2	1	----	2	3	1	2	2	8	----
V.—ORDER 2. In Battle	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	--	----	----	----
V.—ORDER 3. Homicide	----	----	1	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	--	----	----	----
1. Murder	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----	1	2	----	----	----	1	----	----	--	----	2	----
V.—ORDER 4. Suicide	----	----	----	2	----	3	----	1	----	----	1	----	----	----	1	----	----	2	----	----	4	1	1	2	--	2	5	1
1. Wounds	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	1	----	----	----	----	1	----	--	----	1	----

2. Poison	--	-	----	----	2	--	--	----	--	--	-	----	--			--	--		1	--	----			2	2	----
3. Drowning	--	-	----	----	----	--	1	----	--	--	-	----	--			--	--		-	--	----			--	----	----
4. Hanging	--	-	----	----	----	--	--	----	--	1	-	----	--			--	--		-	--	----			--	----	----
5. Otherwise and not Specified	--	-	----	----	1	--	--	----	--	--	-	----	--			1	--		3	1	----	2		--	2	1
V.—ORDER 5. Execution	--	-	----	----	----	--	--	----	--	--	-	----	--			--	--		-	--	----			--	----	----
1. Hanging	--	-	----	----	----	--	--	----	--	--	-	----	--			--	--		-	--	----			--	----	----
V.—ORDER 6. Violent Deaths not Included above	3	2	7	----	4	3	7	----	--	1	1	----	--	9		18	8	2	2	7	2	4	7	8	24	----
UNCLASSIFIED	2	-	2	----	----	1	3	----	--	-	1	----	1			2	2		-	--	----	2		2	10	2
1. Head Disease	--	-	----	----	----	--	--	----	--	-	-	----	-			--	--		-	--	----			--	3	----
2. Hemorrhage	--	-	----	----	----	--	2	----	--	-	1	----	1			1	--		-	--	----			--	3	----
3. Inflammation	2	-	2	----	----	1	1	----	-	-	-	----	-			1	2			--	----			2	3	1
4. Otherwise	--	-	----	----	----	--	--	----	-	-	-	----	-			--	--			--	----			--	1	1
Causes not Specified	19	7	27	44	----	67	20	27	22	6	3	14	----	5	10	46	39	3	12	40	10	32	18	18	108	8

TABLE XVII.—*Exhibiting, by Sex, by Months, by Specified Causes, and by Ages in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year ending December 31, 1881; also, by Sex, and by Specified Causes, the Number of Persons Returned as having Died during each of the Years 1877 to 1881, inclusive (Still-births included). The foot-notes in this Table refer only to the Year for which the Report is made, unless otherwise stated.*

DEATHS FROM ALL CAUSES.

SEX.	Months, 1881.													Years.					Ages in Periods of Years.—1881.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total....	1065	1078	1315	1427	1457	1276	1701	2246	2301	1941	1617	1748	66	19238	16102	14407	12766	12919	7816	1476	822	827	968	763	616	560	512	492	508	509	574	562	649	581	718	285
Males....	552	562	732	803	737	673	921	1198	1226	997	895	927	40	10263	8645	7522	6632	6827	4296	732	400	379	483	391	289	272	257	251	299	273	321	330	390	330	404	163
Females	508	509	580	624	714	598	771	1038	1071	943	717	811	26	8910	7410	6848	6082	6040	3461	744	422	448	485	372	327	288	255	238	209	236	253	232	259	251	314	116
Unk.....	5	7	3	....	6	5	9	10	4	1	5	10	..	65	47	37	52	52	59	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	1	1	1	..	..	1	..	..	..	1	3	..	8	6	12	7	6	7	Abortion	..	..	..	1	1	1	2	3	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Abscess of Abdomen	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Abscess of Arm	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Abscess under Arm	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	Abscess of Back	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Abscess back of Ear	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Abscess of Bladder	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	1	..	..	1	1	..	3	3	1	..	5	2	Abscess of Bowels	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	1	..	..	2	2	1	..	1	2	" " "	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	4	..	" " "	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Total	..	1	..	1	1	..	..	..	..	1	1	..	..	5	1	3	1	..	3	Abscess of Brain	1	..	1	..	1	..	1	..	..	..	1	..	..	..	..	..	..
Males	..	..	..	1	1	..	..	..	..	..	1	..	..	3	1	2	1	..	3	" " "	1	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..
Females	..	1	..	..	..	..	..	..	..	1	..	..	..	2	..	1	..	..	..	" " "	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Abscess of Ear	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	Abscess of Groin	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Abscess of Hand	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	Abscess of Head	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females															1				1	Abscess of Head																		
Males				1										1	2	1			1	Abscess of Hip			1														
Females																	1	2		" " "																	
Males																		1		Abscess, Internal																	
Males															2	1				Abscess of Kidneys																	
Females										1				2	1	1				" " "					1	1											
Males		1												1						Abscess of Knee																1		
Males			1											1		1				Abscess of Leg				1													
Females																	1			" " "																	
Males																			1	Abscess of Limb																	
Males																	2	2		Abscess, Lumbar																	
Males															1		1			Abscess of Neck																	
Males									1					1						Abscess, Pelvic								1									
Females																			1	" "																	
Males					1									1					1	Abscess of Shoulder	1																
Total				1	2				1		1			6	8	4	1	6	4	Abscess in Side	1						2		1		1		1				
Males					2									3	5	2		4	3	" " "									1		1		1				
Females				1					1		1			3	3	2	1	2	1	" " "	1						2										
Males														1						Abscess of Spine								1									
Females																		1		" " "																	
Total		1	1	1	3		1	2						9	4	1	3	1	3	Abscess of Stomach	1			1	2				3					1			1

Males	..	1	1	.	..	..	1	..	..	.	..	4	2	1	8	...	2	Abscess of Stomach	1	..	..	..	..	.	..	..	..	..	1	..	..	1
Females	..	..	..	1	3	..	1	..	..	.	..	5	2	.	....		1	" "	....	..	1	2	..	.	2	..	..	..	..	..	..	..	.
Males	..	..	..	.	..	..	1	..	..	.	..	1	....	.	....	.	....	Abscess in Throat	1	..	..	..	..	.		..	..	..	..	..	..	..	..
Females	..	..	..	.	..	..	.	..	..	.	..	....	....	.			....	" " "	....	..	..	..	..	.		..	..	..	..	..	..	..	..
Females	..	..	..	.	..	..	1	..	..	.	..	1	....	.			....	Abscess, Umbilical	1	..	..	..	..	.		..	..	..	..	..	..	..	..
Males	..	..	..	.	..	..	.	..	..	.	..	....	....	1			....	Abscess of windpipe	....	..	..	..	..	.		..	..	..	..	..	..	..	..
Total	2	2	3	1	..	2	3	..	3	..	..	17	27	20	22	15	6	Abscess	7	..	1	..	..	2	2	..	..	1	..	1	..	1	..
Males	1	..	2	1	..	1	3	..	1	..	..	10	14	11			2	"	5	..	1	..	..		1	..	..	..	..	1	..	..	..
Females	1	2	1	.	..	1	.	..	2	.	..	7	13	9			4	"	2	..	..	..	..		1	..	..	1	..	..	..	1	..
Males	..	..	..	.	..	..	.	..	..	.	..	....	....	1			....	Adenitis	....	..	..	..	..		.	..	..	..	..	..	..	..	..
Males	..	..	..	.	..	..	1	..	..	.	..	1	....	.			....	Albumenuria	1	..	..	..	..		.	..	..	..	..	..	..	..	..
Males	..	..	..	.	..	..	.	..	..	.	..	....	....	.			....	Alcoholism	....	..	..	..	..		.	..	..	..	..	..	..	..	..
Males	..	..	..	.	..	..	1	..	..	.	..	1	....	.			....	Amputation of Arm	....	..	..	..	1		.	..	..	..	..	..	..	..	..
Males	1	..	..	.	..	..	.	..	..	.	..	1	....	.			....	Amputation of Feet	....	..	..	1	..		.	..	..	..	..	..	..	..	..
Total	..	..	1	1	..	..	.	..	..	.	..	2	6	3			1	Amputation of Leg	....	1	..	..	..		.	1	..	..	..	..	..	..	..
Males	..	..	1	.	..	..		..	..	.	..	1	5	3			1	" " "	....	..	..	..	..		.	1	..	..	..	..	..	..	..
Females	..	..	..	1	..	..		..	..	.	..	1	1	.			....	" " "	....	1	..	..	..		.	..	..	..	..	..	..	..	..
Males	..	..	..	.	..	..		..	..	.	..	....	2	.			....	Amputation	....	..	..	..	..		.	..	..	..	..	..	..	..	..
Females	..	..	..	.	..	..		..	..	.	1	1	....	.			1	"	....	..	..	..	..		.	..	..	..	..	1	.	..	..
Males	..	..	..	.	..	..		..	..	.	..	....	1	.			....	Anæmia	....	..	..	..	..		.	..	..	..	..	..	..	..	..
Females	..	..	..	.	..	..		..	..	.	..	1	1	1			2	"	....	..	..	..	1		.	.	..	..	..	..	..	..	..
Males	..	..	..	.	.	..		..	..	.	..	....	....	1			....	Aneurism of Aorta	....	..	..	..	..		.	..	..	..	..	..	..	..	..
Males	..	..	..	.		..		..	..	.	..	1	....	.			1	Aneurism of Heart	....	..	..	..	..		.	..	..	..	..	..	..	..	..
Males	..	..	..	.		..		..	..	.	..	....	1	1			....	Aneurism	....	..	..	..	..		.	..	..	..	..	..	..	..	..
Females	..	..	..	.		..		..	..	.	..	....	....			....	....	"	....	..	..	..	..		.	..	..	..	..	..	..	..	..
Males	..	..	..	1		..		..	..	.	..	1	....	2		1	....	Angina Pectoris	....	..	..	..	..		.	1	..	..	..	..	..	..	..
Males	..	..	..	.		..		..	..	.	..	....	1	.		....	....	Apoplexy, Cerebral	....	..	..	..	..		.	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																			
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	5	4	8	11	8	9	11	9	7	10	9	19	..	110	119	103	91	85	107	Apoplexy	..	..	..	3	..	4	2	6	4	5	7	7	20	17	13	14	7	1
Males	3	3	6	5	6	4	7	6	4	7	5	13	..	69	70	60	48	56	61	"	..	..	..	2	..	2	1	4	4	2	6	3	14	11	7	7	5	1
Females	2	1	2	6	2	5	4	3	3	3	4	6	..	41	49	43	43	29	46	"	..	..	..	1	..	2	1	2	..	3	1	4	6	6	6	7	2	..
Total	4	3	4	4	5	1	2	2	..	3	3	5	..	36	39	39	30	24	23	Asthma	2	..	..	..	1	..	..	..	..	4	3	4	2	7	7	4	1	1
Males	1	..	1	4	3	..	2	2	..	1	1	2	..	17	23	22	16	16	11	"	..	..	..	..	..	..	..	..	..	3	1	1	..	4	5	2	1	..
Females	3	3	3	..	2	1	..	..	..	2	2	3	..	19	16	17	14	8	12	"	2	..	..	..	1	..	..	..	..	1	2	3	2	3	2	2	..	1
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Atrophy of Heart	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	1	1	..	..	..	..	1	..	..	3	....	....	3	....	....	Atrophy	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	2	....	....	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	1	..	..	2	....	....	1	....	....	"	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Biliary Calculus	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	1	1	..	..	..	..	..	3	1	2	....	4	....	Birth, Injury at	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	Birth,—Instrumental Delivery	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	2	3	2	5	3	2	3	4	5	5	6	..	41	43	19	34	41	34	Birth, Premature	41	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	2	3	1	5	1	1	1	4	2	2	2	..	24	17	13	19	20	17	" "	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	1	..	2	1	2	..	3	3	3	..	16	25	6	13	18	16	" "	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	....	2	3	1	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	....	....	....	Black Vomit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	2	..	..	..	..	..	..	..	2	....	1	....	1	....	Bladder, Catarrh of	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..

Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Bladder, Catarrh of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	3	2	2	..	2	Bladder, Disease of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Total	4	..	1	..	1	..	2	..	..	1	..	1	..	10	16	6	10	11	6	Bladder, Inflam. of	1	..	..	..	..	..	..	1	..	..	2	1	..	2	1	2	..
Males	3	..	1	..	1	..	2	..	..	1	..	1	..	9	12	5	10	9	5	" " "	..	..	..	..	..	..	..	1	..	..	2	1	..	2	1	2	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1	..	2	1	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Bladder, Rupture of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	Bladder, Ulcer. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	3	2	1	3	2	5	6	7	5	1	..	36	28	16	16	23	22	Bowels, Consumption of	18	2	1	1	4	1	1	1	..	2	2	..	1	1	1	..	..	..
Males	..	1	1	1	1	2	..	3	1	4	..	1	..	15	12	7	8	6	10	" " "	7	1	1	1	2	..	..	..	..	..	1	..	..	1	1	..	..	..
Females	..	..	2	1	..	1	2	2	5	3	5	..	..	21	16	9	8	17	12	" " "	11	1	..	..	2	1	1	1	..	2	1	..	1	..	..	..	..	..
Total	1	2	4	2	1	1	3	11	6	9	4	2	..	46	34	27	35	39	36	Bowels, Disease of	34	2	2	1	1	..	1	..	..	..	..	1	..	..	2	1	1	..
Males	1	2	4	1	1	..	2	8	3	4	3	2	..	31	25	8	25	23	22	" " "	22	2	..	1	..	..	1	..	..	..	..	1	..	..	2	1	1	..
Females	..	..	..	1	..	1	1	3	3	5	1	..	..	15	9	9	10	16	4	" " "	12	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	19	18	14	23	23	30	25	58	54	28	25	24	1	342	267	237	214	226	239	Bowels, Inflam. of	145	13	15	22	19	15	14	14	14	8	11	11	8	9	10	6	5	3
Males	15	8	7	12	15	15	12	30	28	18	16	11	1	188	150	117	109	129	126	" " "	77	9	8	16	11	5	6	4	4	5	9	6	4	7	8	3	4	2
Females	..	10	6	11	8	15	13	28	26	10	9	13	..	153	117	120	105	97	1	" " "	68	4	7	6	8	10	8	10	10	3	2	5	4	2	2	3	1	..
Unknown	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	2	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	1	1	Bowels, -Intussusception of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		Bowels, Neuralgia of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..		" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	2	..	..	1	..	..	..	3	6	1	3	..	2	Bowels, Obstruction of	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	5	..	1	..		" " "	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	2	..	..	..	..	..	..	2	1	1	2	..		" " "	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..

* Includes 1 rupture of blood vessel in brain.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	1	--	--	1	--	--	--	--	--	--	--	1	--	3	----	----	----	----	2	Bowels, Paral. of	----	--	--	--	--	--	--	--	--	1	--	--	--	1	--	1	--	--
Males	1	--	--	1	--	--	--	--	--	--	--	--	--	2	----	----	----	----	2	" " "	----	--	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	1	--	1	----	----	----	----	----	" " "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--
Males	--	--	--	--	--	--	1	--	--	--	--	--	--	1	----	----	----	1	----	Bowels, Perforation of	----	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	----	----	" " "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	1	--	1	--	--	--	--	--	2	2	1	----	----	----	Bowels, Rupture of	1	--	--	--	--	--	--	--	--	--	1	--	--	--	-	--	--	--
Males	--	--	--	--	--	--	--	1	--	--	--	--	--	1	2	1	----	----	----	" " "	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	1	--	--	--	--	--	--	--	1	----	----	----	----	----	" " "	----	--	-	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	1	----	----	----	----	Bowels, Scrofula of	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	1	----	Bowels, Stricture of	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	1	--	--	--	--	1	1	--	--	--	3	10	----	1	2	4	Bowels, Ulceration of	2	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
Males	--	--	--	1	--	--	--	--	--	1	--	--	--	2	5	----	----	2	4	" " "	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	1	--	--	--	--	1	5	----	1	----	----	" " "	----	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	3	----	1	----	Brain, Compression of	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	1	----	----	----	----	" " "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	1	--	--	--	--	1	--	2	2	6	3	5	2	Brain, Concussion of	----	--	--	--	--	--	1	1	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	1	--	--	--	--	--	--	1	1	6	2	4	2	" " "	----	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	1	--	1	1	----	1	1	----	" " "	----	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Total	8	9	8	9	15	10	13	32	26	11	18	11	--	170	166	158	134	153	175	Brain, Disease of	101	10	5	9	1	4	8	8	6	2	3	1	4	1	1	1	3	2
Males	5	4	2	3	6	7	7	18	13	9	11	5	--	90	85	91	75	79	101	" " "	58	4	3	3	--	1	4	4	3	1	1	1	1	1	1	1	2	1
Females	3	5	6	6	9	3	6	14	13	2	7	6	--	80	81	67	59	74	74	" " "	43	6	2	6	1	3	4	4	3	1	2	--	3	--	--	--	1	1

Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	Brain, Effusion of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	" " "	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Total	16	21	29	28	17	21	31	57	43	38	26	29	2	361	300	222	225	291	275	Brain, Inflam. of	235	28	15	12	12	9	6	7	10	7	1	1	2	2	4	1	2	5			
Males	7	11	20	11	12	15	16	27	18	22	15	17	1	192	176	111	107	154	148	" " "	134	12	7	4	8	4	3	2	5	5	1	..	2	1	2	..	1	1			
Females	9	10	9	17	5	9	15	30	25	16	11	12	1	169	123	111	118	137	127	" " "	101	16	8	8	4	5	5	5	5	2	..	1	..	1	2	1	1	4			
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Brain, Laceration of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Total	1	..	..	..	..	..	1	..	2	1	1	1	..	7	5	11	8	2	3	Brain, Paralysis of	..	..	..	..	..	..	1	..	..	..	..	2	3	1	..	..	..	..			
Males	..	..	..	..	..	.	1	.	1	..	..	1	..	3	4	5	4	1	1	" " "	..	..	..	..	..	..	1	..	..	..	..	1	1	..	..	..	..	..			
Females	1	..	..	..	..	..	..	..	1	1	1	..	..	4	1	6	4	1	2	" " "	..	..	..	..	..	..	..	..	..	..	..	1	2	1	..	..	..	..			
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Brain, Rupture of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Total	1	4	..	..	2	2	4	4	1	2	..	2	1	23	27	25	25	29	30	Brain, Softening of	1	..	1	..	..	1	..	..	..	3	4	2	4	1	3	2	1	..			
Males	1	3	..	..	1	2	2	3	..	2	..	..	1	15	21	19	20	22	23	" " "	1	..	1	..	..	1	..	..	..	3	2	1	4	..	2	..	..	..			
Females	..	1	..	..	1	..	2	1	1	..	..	2	..	8	6	6	5	7	7	" " "	..	..	..	..	..	..	..	..	..	..	2	1	..	1	1	2	1	..			
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Breast Disease	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Breast, Inflam. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Males	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	Breast, Injury to	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..			
Total	1	3	..	1	1	..	..	..	..	..	..	..	..	6	..	2	1	..	1	Bronchitis, Capillary	5	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Males	1	2	..	1	..	..	..	..	..	..	..	..	..	4	..	..	..	..	1	" "	3	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Females	..	1	..	..	1	..	..	..	..	..	..	..	..	2	..	2	1	..	..	" "	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Total	..	..	..	..	..	1	..	..	..	..	1	1	..	3	2	4	2	3	..	Bronchitis, Chronic	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..			
Males	..	..	..	..	..	1	..	..	..	..	..	1	..	2	2	3	1	2	..	" "	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..			
Females	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	1	1	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..			
Total	2	5	5	4	3	8	1	2	7	3	9	12	..	61	43	45	42	39	42	Bronchitis	32	1	1	2	2	..	1	1	1	1	3	..	2	3	7	3	1	..			
Males	..	3	4	2	2	4	..	1	4	..	7	6	..	33	23	24	22	21	27	"	17	..	..	..	1	..	1	1	..	1	2	..	2	1	5	2	..	..			
Females	2	2	1	2	1	4	1	1	3	3	2	6	..	28	25	21	20	18	15	"	15	1	1	2	1	..	..	..	1	..	1	..	..	2	2	1	1	..			

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Bulæ (Blebs)	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Bullet in Brain	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	2	..	..	5	..	3	1	114	4	8	5	1	144	28	43	39	28	41	Burning	30	34	21	7	4	6	4	5	7	3	5	2	..	3	1	6	5	1
Males	1	..	..	..	3	..	3	1	53	1	3	3	1	69	11	18	17	6	16	"	16	16	8	5	2	3	..	1	5	2	2	2	..	1	..	2	3	1
Females	..	2	..	..	2	..	..	..	61	3	5	2	..	75	17	25	22	22	23	"	14	18	13	2	2	3	4	4	2	1	3	..	..	2	1	4	2	..
Unknown	..	..	..	..	..	..	..	..	....	..	..	..	..	....	....	....	....	....	2	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	....	..	..	..	..	....	....	....	....	1	....	Calculus, Hepatic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	....	..	..	..	..	....	....	....	....	1	....	Calculus, Renal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	22	16	25	26	26	26	30	25	29	32	21	32	..	310	284	272	269	265	241	Cancer	10	2	..	..	5	6	10	21	19	39	35	41	37	27	22	15	20	1
Males	8	7	8	9	10	9	11	10	12	9	10	9	..	112	111	124	116	124	118	"	4	..	..	..	2	2	3	8	4	11	11	13	13	13	10	8	10	..
Females	14	9	17	17	16	17	19	15	17	23	11	23	..	198	173	148	153	141	123	"	6	2	..	..	3	4	7	13	15	28	24	28	24	14	12	7	10	1
Total	..	2	..	2	1	4	3	13	6	6	6	1	..	44	25	23	25	30	39	Canker (Noma)	41	..	..	..	1	..	1	..	..	..	..	1	..	..	..	..	..	..
Males	..	1	..	..	1	1	2	10	2	2	1	1	..	21	13	14	11	18	23	" "	21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	2	..	3	1	3	4	4	5	..	..	23	11	9	14	12	16	" "	20	..	..	..	1	..	1	..	..	..	..	1	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	....	..	..	..	..	....	1	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	1	1	1	....	1	..	..	..	4	....	....	1	1	....	Capsule, Renal	....	..	..	..	1	..	..	1	1	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	1	..	....	1	..	..	..	3	....	....	..	....	....	" "	....	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	....	..	..	..	..	1	....	....	1	1	....	" "	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	....	..	1	..	..	1	....	....	1	....	1	Carbuncle on Neck	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	....	..	..	..	..	....	1	....	....	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	....	..	..	..	..	....	1	1	....	1	....	Carbuncle	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females	--	--	--	--	--	--	--	1	--	--	--	--	--	1	1	--	--	--	--	Carbuncle	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	Caries of Joint	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	19	15	14	24	20	23	28	36	51	37	29	28	1	325	340	245	202	222	222	Casualty	20	15	21	26	53	29	24	26	15	18	18	17	1	16	3	6	1	6				
Males	16	14	13	20	19	19	23	34	48	36	27	27	1	297	303	201	184	195	197	"	14	12	19	24	52	28	24	24	15	18	14	15	9	14	2	6	1	6				
Females	3	1	1	4	1	4	5	2	3	1	2	1	--	28	37	43	18	27	25	"	6	3	2	2	1	1	--	2	--	--	4	2	2	2	1	--	--	--				
Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	"	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	1	1	Catarrh in Head	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	" " "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	Catarrh, Intestinal	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	1	--	--	--	--	--	--	--	--	--	--	1	--	--	1	--	--	" "	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	1	--	--	1	--	--	--	--	--	Catarrh of Throat	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	1	--	1	3	1	--	6	7	16	1	4	11	Catarrh.*	1	--	--	--	1	--	--	1	--	--	--	1	1	--	--	--	1	--				
Males	--	--	--	--	--	--	--	1	--	1	2	1	--	5	3	11	7	4	8	"	1	--	--	--	--	--	--	1	--	--	--	1	1	--	--	--	1	--				
Females	--	--	--	--	--	--	--	--	--	--	1	--	--	1	4	5	4	--	3	"	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	2	--	--	--	Chest Disease	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--				
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	" "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	1	--	--	--	1	--	2	--	1	--	--	--	Chest, Inflammation of	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	--	" " "	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	1	--	1	--	1	--	--	--	" " "	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	1	1	--	1	--	--	--	--	3	1	1	1	--	1	Chicken-pox	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--	4	" "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	14	17	12	18	27	13	12	23	16	10	8	19	3	192	193	193	161	151	141	Childbirth	--	--	--	19	41	37	33	28	21	5	--	--	--	--	--	--	--	--	8			
Total	3	4	7	5	7	6	7	13	11	9	3	5	1	81	68	64	64	75	55	Chills, Congestive	13	4	4	1	7	6	4	5	3	4	5	9	2	5	5	2	2	--				
Males	1	2	4	2	4	4	2	10	6	4	3	1	1	44	34	30	28	39	27	" "	10	2	2	--	4	1	2	1	1	2	4	6	2	3	3	--	1	--				
Females	2	2	3	3	3	2	5	3	5	5	--	4	--	37	34	34	36	36	28	" "	3	2	2	1	2	5	2	4	2	2	1	3	--	2	2	2	1	--				
Females	--	--		--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	Chills, Nervous	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--

* Includes 1 Catarrh of Throat.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	MONTHS, 1881.													YEARS.						CAUSES OF DEATH.	AGES IN PERIODS OF YEARS.—1881.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	1	...	Chlorine		..	..			..		...	...	...	..	..	..	..		..	..
Males	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	1	...	Chloroform		..	..			..		...	...	...	..	..	..	..		..	..
Females	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	1	1	...	"		..	..			..		...	...	...	..	..	..	..		..	..
Females	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	1	...	...	Chlorosis		..	..			..		...	...	...	..	..	..	..		..	..
Total	...	...	1	...	1	...	1	1	1	...	...	...	..	5	3	2	4	2	4	Choking		..	..			..		...	...	...	..	..	..	..		..	..
Males	...	...	...	...	...	...	1	1	...	...	...	...	..	2	1	...	4	1	2	"	2	..	..			..		...	...	...	..	..	..	..		..	..
Females	...	...	1	...	1	...	...	...	1	...	...	...	..	3	2	2	...	1	2	"		..	..			..		...	...	...	..	..	..	..		..	..
Total	7	5	11	9	16	40	177	274	212	70	21	13	2	857	499	300	243	370	331	Cholera Infantum.	835	14	1			..		...	...	...	..	..	..	..		..	6
Males	2	2	7	6	9	23	92	149	123	34	10	4	1	462	286	173	125	205	179	" "	449	6	1			..		...	...	...	..	..	..	..		..	5
Females	5	3	4	3	7	17	85	122	88	36	11	9	1	391	211	125	116	165	152	" "	383	8	..			..		...	...	...	..	..	..	..		..	..
Unknown	...	...	...	...	...	...	...	3	1	...	...	...	..	4	2	2	2	...	...	" "	3	..	..			..		...	...	...	..	..	..	..		..	1
Total	1	...	...	...	1	3	17	23	17	3	2	2	..	69	38	30	28	26	27	Cholera Morbus	26	4	1			..		2	3	4	7	3	3	2		3	3	1
Males	...	...	...	...	1	1	12	14	6	3	1	2	..	40	26	16	13	17	15	" "	12	1	..			..		...	2	2	6	2	2	2	2	3	3	..
Females	1	...	...	...	..	2	5	9	11	..	1	...	..	29	12	14	10	9	12	" "	14	3	1			..		2	1	2	1	1	1	..		..	1
Total	...	...	...	...	..	4		10	1		..	1	..	17	26	6	4	15	12	Cholera	12	1	1			..		...	...	1	..	..	1	..		..	..
Males	...	...	...	...	..	1		7	...		..	1	..	10	15	4	4	10	6	"		1	1			..		...	...	1	..	..	..			..	..
Females	...	...	...	...	..	3		3	1		..	...	..	7	11	2	...	5	6	"	6	..	..			..		...	...	...	..	..	1			..	..
Total	...	...	1	1	1	1		..	...		1	...	..	5	4	1	2	1	3	Chorea		2	..			..		...	...	1	..	..	..				..
Males	...	...	1	...	..	..		..	...		..	...	..	1	2	1	1	1	2	"		1	..			..		...	...	...	..	..	..				..
Females	...	...	...	1	1	1		..	...		1	...	..	4	2	...	1	...	1	"		1	..			..		...	...	1	..	..	..				..
Males	...	...	...	...	...	...		..			..	...	..	...	...	...	...	...	3	Cirrhosis of Liver.		..	..			..		...	...	...	..	..	..				..

Males							1							1					1	Cirrhosis																					
Males																1				Clot in Artery																					
Females											1			1				1		Cold on Lungs	1																				
Total		1	1	4			2	2		2	2	1		15	17	19	18	12	24	Cold	10		3		1						1									
Males				1				1		1		1		4	10	10	8	8	13	"	3		1																	
Females		1	1	3			2	1		1	2			11	7	9	10	4	11	"	7		2		1						1									
Total		1							1					2	6	2	7	7	5	Colic, Bilious										1			1						
Males									1					1	4	2	3	4	4	" "													1							
Females		1												1	2		4	3	1	" "										1									
Males				1						1				2			1	1		Colic, Painters											1			1					
Total	2		1				4	3		2	1	1		14	23	7	4	4	5	Colic [b]	10				1		1					1					1		
Males	2						4	2		2		1		11	12	4	2	2	3	"	8				1		1					1							
Females			1					1			1			3	11	3	2	2	2	"	2																1		
Total								1	2	1				4	4	1	1	2		Constipation					1									1		1		1	
Males								1	2					3	1		1	1		"														1		1		1	
Females										1				1	3	1		1		"					1														
Total	115	139	164	206	180	146	159	158	155	164	163	198	7	1954	1829	1680	1641	1664	1590	Consumption	120	27	35	195	291	251	171	151	128	108	86	80	81	73	62	44	18	33		
Males	46	76	82	104	76	66	68	74	62	71	82	95	3	905	847	767	729	726	700	"	64	17	13	61	118	118	75	74	61	44	48	37	49	41	38	21	10	16		
Females	69	63	82	102	104	80	91	84	93	93	81	103	4	1049	982	913	912	938	890	"	56	10	22	134	173	133	96	77	67	64	38	43	32	32	24	23	8	17		
Females															1					Contusions																				
Total	26	33	33	24	26	30	22	37	29	24	25	28		337	347	275	193	165	185	Convulsions [c]	297	12	7	1	2	2	2		2		1	4	1	1	1	1		3		
Males	18	15	21	16	11	12	10	19	18	11	16	17		184	187	147	103	104	98	"	166	7	2			2	1				1	1		1		1		2		
Females	8	18	12	8	15	18	12	18	11	13	9	11		153	160	128	90	61	87	"	131	5	5	1	2		1		2			3	1		1				1	
Males															1	6	1	3		Cough																				
Females															1		1	2		"																				
Females																	1			Corn on Foot																				

[a] Includes 1 "Asiatic." [b] Includes 1 "Hepatic Colic." [c] Includes 2 Teething, and Nervous Fits, 1.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	9	7	4	7	4	2	...	...	5	9	12	5	..	64	65	45	37	19	21	Croup, Membranous	45	15	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Males	5	3	3	3	1	2	...	...	4	7	7	4	..	39	35	18	20	10	9	" "	29	8	2	...	..	..	..	..	..	..	..	..	..	..	..	..	..	
Females	4	4	1	4	3	...	.	.	1	2	5	1	..	25	30	27	17	9	12	" "	16	7	...	1	.	..	..	..	..	..	..	..	..	..	..	..	..	1
Males	...	..	...	...	...	...	1	...	...	...	..	..	..	1	...	1	...	...	...	Croup, Spasmodic	1	...	...	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	...	..	...	...	...	...	...	...	...	...	...	...	..	...	1	...	...	...	...	" "	...	...	...	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	34	36	26	18	16	9	14	28	22	21	46	44	1	315	256	232	199	115	157	Croup	270	41	2	...	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Males	21	29	18	14	10	5	10	11	11	11	20	28	1	189	148	147	114	85	96	"	165	22	...	...	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Females	13	7	8	4	6	4	4	17	11	10	26	16	..	126	108	85	85	60	61	"	105	19	2	...		..	..	..	..	..		..	..	..	..	..	..	..
Males	..		..	.	...	.	...	...	..	..	.	...	.	...	...	1	...	...	...	Crusta Lactea	...	...	...	...	..	..	..	..	..	..	.	.	..	.	..	..	.	.
Males	...	..	...	..	...	.	...	...	.	...	1	...	..	1	4	3	1	3	...	Cyanosis	1	...	...	...	.	..	..	..	..	.	..	..	.	..	..	..	..	..
Females	...	..	.	...	...	...	...	...	...	.	...	...	.	...	2	...	...	2	2	"	...	...	...	...	.	..	..	..	..	..		..	..	..	..	..	..	..
Total	...	1	...	...	1	...	...	.	...	1	...	...	..	3	3	4	4	7	3	Debility, Nervous	...	...	...	...	.	..	.	..	..	..	.	1	1	1	..	..	..	..
Males	...	..	...	...	...	...	...	...	...	1	...	...	..	1	2	2	2	4	1	" "	...	...	...	.	..	..	..	..	.	.	..	..	1	..	..	..	..	..
Females	...	1	...	...	1	...	...	...	.	...	...	..	.	2	1	2	2	3	2	" "	...	...	...	...	..	.	..	..	.	..	.	1	..	1	..	..	..	..
Total	14	19	26	16	16	20	22	20	24	13	12	20	.	222	148	139	123	150	155	Debility	110	1	..	3	2	..	3	2	5	6	5	14	10	17	21	21	2	..
Males	9	7	17	13	6	10	11	10	13	3	9	10	..	121	85	88	68	83	91	"	60	...	...	1	..	.	.	1	1	3	2	6	6	11	12	16	2	.
Females	5	12	9	3	10	10	8	10	11	10	3	10	..	101	63	51	55	67	61	"	50	1	.	2	2	..	3	1	4	3	3	8	4	6	9	5	.	..
Total	1		...	...	...	2	...	...	1	...	...	1	..	5	5	6	8	1	6	Delirium Tremens	...	...	.		1	.	2	.	..	2	.		..	..	..	.	..	..
Males	1	.	..	...	...	2	...	...	.	...	...	1	..	4	5	6	8	1	5	" "	...	...	...	...	..	..	2	..	.	2	..	.	..	.		..	.	..
Females	...	..	...	...	...	...	.	...	1	...	...	...	..	1	...	...	...	...	1	" "	...	...	...	..	1	.	.		.		..		..	..	..	..	..	..
Males	...	..	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	2	Dementia, Chronic	...	...	...	...	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Males	-	--	--	---	---	--	---	---	---		---		-		---	--	---	--		Dementia Melancholia	---	---	---	---	-	-	-	-	--	--		--	-	-	-	-	--
Males	-	--	--	---	---	--	- -	---	---		- -		-		---	--	2	--	3	Dementia, Paralytic	---	---	---	---	-	-	-	-	--	--		--	-	-	-	-	--
Females	-	--	--	---	---	-	---	---	---		---		-		---	--	---	--		" "	---	---	---	---	-	-	-	-	--	--		--	-	-	-	-	--
Males	-	--	--	---	---	--	---	---	---		---		-		---	--	---	1		Dementia	---	---	---	---	-	-	-	-	--	--		--	-	-	-	-	--
Females	-	--	--	---	---	--	--	---	- -		---		-		---	--	1	--		"	---	---	---	---	-	-	-	-	--	--	-	--	-	-	-	-	--
Males	-	--	--	---	---	--	---	---	---		1		-		---	--	--	--		Diabetes Mellitus	---	---	---	---	-	-	-	-	--	1	-	--	-	-	-	-	--
Total	3	3	1	5	1	3	5	4	4	9	3	7	-	48	44	42	33	39	19	Diabetes	1	1	1	3	2	4	1	3	2	2	1	3	4	8	4	6	2
Males	2	2	1	4	1	3	2	4	3	5	1	7	-	35	33	36	22	30	12	"	1	1	---	1	2	2	-	3	2	2	1	2	3	6	2	5	2
Females	1	1	--	1	---	--	3	---	1		2		-	13	11	6	11	9		"	---	---	1	2	-	2	1	-	--	-	-	1	1	2	2	1	--
Total	-	--	--	2	3	--	1	3	4	6	2	---	-	21	14	14	12	21	15	Diarrhea, Chronic	8	---	---	---	1	1	2	-	--	1		--	1	2	3	-	--
Males	-	--	--	1	3	--	---	2	2		1	- -	-	13	9	11	10	12	1	" "	3	---	---	---	-	1	1	-	--	1	-	--	1	2	2	-	--
Females	--	--	--	1	---	--	1	1	2	-	1	---	--	8	5	3	2	8	4	" "	5	---	---	---	1	-	1		--	--	-	--	-	-	1	-	--
Unknown	-	--	--	---	---	--	---	---	---	---	---	---	-	---	---	---	---	1		" "	---	---	---	--	-	-	-	-	--	--	-	--	-	-	-	-	--
Total	-	4	12	9	14	45	104	154	79	34	12	13	-	480	296	212	161	269	289	Diarrhea	433	6	3	1	1	1	-	1	3	2	1	4	6	5	6	6	--
Males	-	2	7	7	7	29	59	85	43	21	8	7	-	275	177	120	81	140	159	"	251	4	1	1	1	-	-	1	2	1	-	3	2	1	3	3	--
Females	-	2	5	2	7	16	45	69	36	13	4	6	-	205	119	92	80	128	128	"	182	2	2	--	-	1		-	1	1	1	1	4	4	3	3	--
Unknown	-	--	--	---	---	--	---	---	---	---	---	---	-	---	---	---	---	1	2	"	---	---	---	---	-	--	-	--	--	--	-	--	-	-	-	-	--
Total	149	98	112	133	126	125	155	162	235	316	230	215	7	2063	1542	1473	887	593	311	Diphtheria	831	712	337	103	30	1	8	3	3	2	5	2	-	1	-	-	15
Males	79	42	52	78	60	69	77	64	130	170	108	98	3	1030	744	711	396	299	154	"	448	338	163	44	13	6	1	--	2	1	3	2	-	1	-	-	8
Females	70	56	60	55	66	56	78	95	105	146	122	117	4	1030	798	762	491	294	157	"	383	374	174	59	17	5	7	3	1	1	2	--	-	-	-	-	4
Unknown	-	--	--	---	---	--	---	3	---	---	---	---	-	3	---	---	---	-	---	"	---	---	---	---		--	-	--	--	--	-	--	-	--	-	-	3
Males	-	--	---	---	---	--	---	---	---	---	---	---	--	---	1	---	---	-	---	Dissipation	---		-	---	--	--	-	--	--	--	-	--	-	--	-	-	--
Males	-	--	---	---	---	--	---	---	---	---	---	---	-	---	1	---	---	1	---	Dropsy of Abdomen	- -		-	---	-	--	-	--	--	--	-	--	-	--		-	--
Females	--	--	---	---	---	--	---	---	---	---	---	---	--	---	2	2	---	-	2	" " "	---		-	---	--	--	-	--	--	--	-	--	-	--		-	--
Males	-	--	---	---	---	--	---	---	---	---	---	---	-	---	3	---	---	2	2	Dropsy of Bowels	---		-	---	--	--	-	--	--	--	-	--	-	--		-	--
Females	--	--	---	---	---	---	1	1	---	---	---	---	-	2	2	2	4	1	2	" " "	---		-	---	--	--	1	--	--	--	1	--	-	--		-	--

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	1	3	3	6	9	4	6	4	9	4	2	3	..	54	34	37	47	53	62	Dropsy of Brain	45	3	1	..	..	..	..	1	..	..	1	1	2	..	..	..	..	..
Males	..	2	1	4	5	2	3	2	4	3	2	3	..	31	24	21	24	27	31	" " "	27	2	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	1	1	2	2	4	2	3	2	5	1	..	..	..	23	10	16	23	26	31	" " "	18	1	..	..	..	..	..	1	..	..	1	1	1	..	..	..	..	..
Total	..	..	1	1	..	1	1	1	..	..	1	..	..	6	8	6	4	10	7	Dropsy of Chest	2	..	..	1	..	..	..	..	..	..	..	1	..	1	..	1	..	..
Males	..	..	1	..	..	1	..	1	..	..	1	..	..	4	2	3	1	5	4	" " "	2	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	1	..	..	1	..	..	..	..	..	..	2	6	3	3	5	3	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Dropsy, General	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	2	1	1	" "	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Total	6	3	8	10	9	3	13	7	7	12	14	7	1	100	68	84	75	52	51	Dropsy of Heart	4	6	5	3	4	2	6	2	4	5	11	7	12	10	10	3	6	..
Males	4	..	3	5	3	1	5	2	4	5	8	1	1	42	32	38	41	23	32	" " "	1	2	1	1	3	1	1	..	2	1	5	3	6	6	5	1	3	..
Females	2	3	5	5	6	2	8	5	3	7	6	6	..	58	36	46	34	29	19	" " "	3	4	4	2	1	1	5	2	2	4	6	4	6	4	5	2	3	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	Dropsy of Kidneys	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	" " "	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	Dropsy of Limbs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Dropsy of Liver	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	2	..	" "	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Dropsy, Scarlatinal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	" "	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Dropsy of Spine	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	Dropsy of Stomach	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..

Females...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Dropsy, Uterine		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	16	17	26	25	29	19	28	30	21	32	20	19	..	282	271	260	249	224	226	Dropsy (Unspecified)	20	8	1	4	10	6	7	10	12	12	12	19	37	29	39	29	21	6
Males	8	9	14	11	16	8	12	16	8	14	8	11	..	135	129	108	114	98	101	" "	9	7	1	1	2	2	..	4	5	9	7	4	15	15	20	17	13	4
Females	8	8	12	14	13	1	16	14	13	18	12	8	..	147	142	152	135	126	125	" "		1	..	3	8	4	7	6	7	3	5	15	22	14	19	12	8	2
Total	..	..	..	2	3	1	5	2	3	..	..	1	..	17	36	17	25	16	30	Drowning, Accidental		1	3	4	3	..	1	2	1	..	..	..	..	..	..	..	..	..	1
Males	..	..	..	2	3	1	5	1	3	..	..	1	..	16	30	17	17	15	24	" "		1	3	4	3	..	1	1	1	..	..	..	..	..	..	..	..	..	1
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	6	..	8	1	6	" "		..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	11	10	8	27	12	19	8	5	7	1	108	143	105	92	87	142	Drowning	10	12	18	9	13	15	8	2	3	2	1	..	2	..	..	1	..	12
Males	..	..	..	9	10	8	25	11	13	8	5	5	1	95	118	94	83	77	124	"	7	10	17	7	13	14	7	1	3	2	1	..	2	..	..	1	..	10
Females	..	..	..	2	..	..	2	1	6	..	..	2	..	13	25	11	9	10	18	"	3	2	1	2	..	1	1	1	..	..	..	..	..	..	..	..	..	..	2
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	1	2	..	Dysentery, Chronic		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	3	..	" "		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	2	2	..	4	9	31	91	82	32	4	10	..	270	155	133	157	216	195	Dysentery	202	10	2	1	1	1	2	1	3	1	4	4	6	10	4	9	7	2
Males	1	1	1	..	3	6	20	47	36	17	3	5	..	140	84	66	84	106	106	"	110	5	2	..	..	..	1	..	2	..	2	3	2	6	1	1	4	1
Females	2	1	1	..	1	3	11	44	46	15	1	5	..	130	71	67	73	110	89	"	92	5	..	1	1	1	1	1	1	1	2	1	4	4	3	8	3	1
Total	3	1	2	1	2	3	1	1	2	1	4	..	..	21	13	20	14	9	15	Dyspepsia		..	..	..	..	2	1	1	1	..	..	4	6	2	2	1	1	..
Males	2	1	2	..	..	..	1	1	1	..	2	..	..	10	10	13	8	7	10	"		..	..	..	..	..	..	1	..	..	..	4	4	..	1	..	..	..
Females	1	..	..	1	2	3	..	..	1	1	2	..	..	11	3	7	6	2	5	"		..	..	..	..	2	1	..	1	..	..	..	2	2	1	1	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Earache		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Ear, Ulceration of		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Eating Dried Apples		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Eczema		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	"		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Embolism of Brain		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	2	..	..	1	..	..	..	1	..	..	..	..	4	..	1	..	..	..	Embolism, Cerebral		..	..	..	..	..	..	1	..	1	..	..	..	1	1	..	..	..
Males	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	" "		..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	..	2	..	..	..	..	..	..	1	..	..	..	..	3	..	1	..	..	..	" "		..	..	..	..	..	..	..	..	1	..	..	..	1	1	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	.	..	....	2	Embolism	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	.	..	....	....	Emphysema	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	.	1	1	...	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	..	....	....	Endocarditis, Rheumatic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	.	..	....	....	Endocarditis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	4	3	5	3	4	5	4	8	9	8	5	5	..	63	41	42	31	35	31	Epilepsy	6	3	4	5	8	4	8	9	3	5	3	1	2	..	2	..	..	..
Males	4	2	2	3	4	5	2	4	4	3	3	5	..	41	18	21	16	18	14	"	4	1	4	3	4	3	6	6	3	3	2	..	1	..	1	..	..	..
Females	..	1	3	..	..	..	2	4	5	5	2	..	..	22	23	21	15	17	17	"	2	2	..	2	4	1	2	3	..	2	1	1	1	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	.	..	1	....	Eruption on Back	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	..	....	....	Erysipelas, Bone	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	.	..	....	....	Erysipelas of Bowels	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	..	1	..	..	..	..	..	..	..	2	1	.	..	....	....	Erysipelas of Head	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1	.	..	....	....	" " "	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	.	..	....	....	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	2	..	..	..	..	..	..	..	..	..	..	..	..	2	1	.	..	....	....	Erysipelas, Phlegmonous	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	.	..	....	....	Erysipelas of Stomach	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	.	..	1	....	Erysipelas of Throat	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	4	5	11	9	11	6	5	5	4	4	8	8	1	81	84	91	75	68	86	Erysipelas	24	1	..	3	2	7	5	5	3	5	3	3	6	4	1	4	5	..
Males	3	4	5	5	6	5	3	3	2	3	5	3	1	48	47	44	37	31	55	"	12	1	..	3	1	3	4	2	2	3	3	..	4	4	1	3	2	..
Females	1	1	6	4	5	1	2	2	2	1	3	5	..	33	37	47	38	37	31	"	12	..	..	..	1	4	1	3	1	2	..	3	2	..	..	1	3	..
Total	..	..	..	..	..	..	..	..	1	..	..	1	..	2	2	2	2	4	4	Exposure	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..

Males	..	..	.	..	..	..	..	..	.	..	..		..	1	2	1	2	4	1	Exposure	....	..	..	..	.	..	..	..	..	..	1	..	.	.	..	..	..	..
Females	..	..	.	..	..	..	..	..	1	..	..		..	1	...	1	..	.	3	"	1	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..
Males	6	2	3	3	1	..	1	..	.	1	2		..	20	22	25	22	22	17	Falling Tree	....	..	2	2	4	2	1	2	1	2	..	1	..	..	2	..	..	1
Females	..	..	.	..	..	..	..	..	.	..	..		..	....	...	...	3	.	...	" "	....	..	..	..	.	..	..	..	..	..	..	..	.	..	..	..	..	..	..
Males	..	..	.	..	..	..	..	..	.	..	..		..	....	...	1	..	.	...	Feet, Sore	....	..	..	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..
Total	..	2	2	1	4	2	4	12	11	12	7	5	..	62	58	44	44	39	52	Fever, Bilious	20	5	3	5	4	3	3	3	2	2	..	..	5	4	..	1	1	1
Males	..	2	1	..	2	1	3	6	4	7	5	4	..	35	29	16	18	18	27	" "	12	4	2	2	4	1	3	1	2	..	..	..	1	1	..	..	1	1
Females	..	..	1	1	2	1	1	6	7	5	2		..	27	29	28	26	21	25	" "	8	1	1	3	.	2	..	2	.	2	..	..	4	3	..	1	..	..
Total	3	2	3	..	5	..	..	..	.	..	..		..	13	5	9	4	4	1	Fever, Catarrhal	5	.	2	..	.	..	..	..	..	..	..	..	2	1	2	1	..	..
Males	2	2	3	..	..	..	..	..	.	..	..		..	7	3	4	2	3	1	" "	3	.	.	..	.	..	..	..	..	..	..	..	.	1	2	1	..	..
Females	1	..	.	..	5	..	..	..	.	..	..	..	..	6	2	5	1	1	..	" "	2	.	2	..	.	..	..	..	.	..	..	..	2	.	..	.	..	..
Unknown	..	..	.	..	.	..	..	..	.	..	..	..	..	....	...	..	1	.	..	" "	....	.	..	..	.	..	..	..	..	..	..	..	.	.	..	..	..	..
Total	..	1	.	..	1	..	..	..	.	..	..	..	..	2	3	3	2	2	7	Fever, Congestive	1	..	..	1	.	..	..	..	..	..	..	..	.	.	..	..	..	..
Males	..	..	.	..	1	..	..	..	.	..	.	..	..	1	1	..	1	2	4	" "	....	.	..	1	.	..	..	..	.	..	..	..	.	.	..	..	..	..
Females	..	1	.	..	..	..	..	..	.	..	.	..	..	1	2	3	1	.	3	" "	1	..	..	..	.	..	..	..	..	..	..	..	.	.	..	..	..	..	..
Males	..	..	.	..	..	1	..	..	.	..	.	..	..	1	1	..	..	.	1	Fever, Continued	1	.	..	..	.	..	..	..	..	..	..	..	.	.	..	..	..	..
Females	..	..	.	..	..	..	..	..	.	..	.	..	..	....	2	..	..	.	..	" "	....	.	..	..	.	..	..	..	..	..	..	..	.	.	..	..	..	..
Total	..	2	1	1	..	1	2	1	2	1	2	.	1	14	8	10	8	2	5	Fever, Gastric	4	.	..	1	1	3	..	..	..	1	1	..	1	1	1	..	..	..
Males	..	1	1	1	..	..	..	..	2	..	2	..	..	7	2	3	2	.	2	" "	3	.	..	..	1	1	..	..	..	..	1	..	.	.	1	..	..	..
Females	..	1	.	..	..	1	2	1	.	1	.	..	1	7	6	7	6	2	3	" "	1	.	.	1	.	2	..	..	..	1	..	..	1	1	..	..	..	..
Males	..	..	.	..	..	..	..	..	.	..	.	..	..	....	..	..	..	..	1	Fever, Hepatic	....	.	.	..	..	.	..	..	..	..	..	..	..	.	..	..	.	..
Total	1	2	2	3	4	4	3	5	7	9	2	2	1	45	32	46	47	53	36	Fever, Intermittent[b]	17	7	2	3	2	2	2	1	2	..	3	..	.	.	.	2	..	2
Males	..	..	1	2	..	1	2	2	5	3	2	..	1	19	16	18	24	30	16	" "	10	3	1	..	1	1	.	1	1	..	..	..	.	.	..	..	..	1
Females	1	2	1	1	4	3	1	3	2	6	.	2	..	26	16	28	23	23	20	" "	7	4	1	3	1	1	.	.	1	..	3	..	.	.	..	2	..	1
Total	3	2	7	4	3	6	6	9	18	22	12	10	..	102	31	10	5	7	4	Fever, Malarial	22	7	7	8	10	9	.	5	1	5	2	3	5	1	3	4	2	3
Males	1	1	3	2	3	3	2	3	7	8	8	4	..	45	18	4	1	4	1	" "	8	2	5	4	6	3	.	2	..	1	2	..	..	1	1	2	1	3

[a] Includes 2 "Putrid" and 2 "Black." [b] Includes 4 "Worm Fits."

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																				
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	2	1	4	2	..	3	4	6	11	14	4	6	..	57	13	6	4	3	3	Fever, Malarial	14	5	2	4	4	6	1	3	1	4	..	3	5	..	2	2	1	..
Females	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	Fever, Menstrual	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	1	..	..	..	..	1	..	..	3	..	1	..	..	1	Fever, Milk	..	..	..	..	..	2	..	..	..	1	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	1	..	..	2	1	..	..	..	..	Fever, Mountain	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	1	..	..	1	..	..	2	8	5	..	3	9	Fever, Nervous	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	..	..	..	1	5	2	..	..	6	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	1	..	..	1	3	3	..	3	3	" "	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	2	1	2	..	..	2	..	1	..	..	9	13	4	9	6	13	Fever, Remittent	5	1	1	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	1	1	..	..	1	..	1	..	..	5	6	3	4	4	7	" "	4	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	1	..	1	..	..	1	..	..	..	..	4	7	1	5	2	6	" "	1	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Total	1	..	1	..	3	1	..	2	1	1	..	..	..	10	9	4	6	4	7	Fever, Rheumatic	..	3	2	..	1	..	1	..	1	..	1	..	1	..	..	..	..	..
Males	..	..	..	..	2	1	..	2	1	1	..	..	..	7	3	3	2	2	3	" "	..	2	1	..	1	..	1	..	1	..	1	..	..	..	..	..	..	..
Females	1	..	1	..	1	..	..	..	..	..	..	..	..	3	6	1	4	2	4	" "	..	1	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Total	5	4	11	11	19	11	13	17	13	14	10	8	..	136	71	47	63	73	73	Fever, Spinal	72	24	17	5	6	2	3	1	4	..	..	1	1	..	..	..	..	..
Males	2	3	3	6	10	5	10	10	9	7	5	2	..	72	35	21	25	35	35	" "	40	16	7	2	2	..	2	..	1	..	..	1	1	..	..	..	..	..
Females	3	1	8	5	9	6	2	7	4	7	5	6	..	64	36	26	38	38	38	" "	32	8	10	3	4	2	1	1	3	..	..	..	..	..	..	..	..	..
Total	1	..	..	2	..	1	..	3	..	1	..	1	..	9	1	1	..	4	1	Fever, Spotted	5	3	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Males	..	..	..	2	..	..	..	2	..	..	..	1	..	5	1	1	..	2	1	" "	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	1	..	1	..	1	..	..	..	4	..	..	..	2	..	" "	1	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Total	20	15	23	34	27	35	45	99	150	178	149	108	1	884	513	397	329	446	426	Fever, Typhoid	88	61	73	150	133	101	53	37	31	26	31	26	15	17	13	7	7	12
Males	13	9	14	21	14	23	26	49	79	83	93	67	..	491	285	190	176	234	223	" "	46	25	34	69	81	68	26	28	21	15	21	15	7	8	8	4	5	10

Females...	7	6	9	13	13	12	19	50	71	95	56	41	1	393	228	207	153	212	193	Fever, Typhoid	42	39	39	81	52	33	27	9	10	11	10	11	8	9	5	3	2	2
Total	1		1	1	1	..	..	2	7	14	12	9	..	49	9	7	18	4	6	Fever, Typho-malarial	3	3	2	10	12	5	3	2	1	1	1	2	1	..	1	2	..	..
Males	1		..	1	1	..	..	..	1	5	9	4	..	23	7	4	5	1	1	" " "	1	2	1	5	5	4	3	..	..	..	1	..	1	..	..	..	..	..
Females...	.		1	..	..	..	..	2	6	9	3	5	..	26	2	3	13	3	5	" " "	2	1	1	5	7	1	..	2	1	1	..	2	.	..	1	2	..	..
Total	1		..	2	1	..	1	2	2	4	4	2	..	19	11	14	5	29	11	Fever, Typhus	4	2	1	1	4	3	1	..	2	..	..	..	1	..	..	..	..	..
Males	.		..	2	1	..	1	..	1	3	1	1	..	10	6	6	2	13	7	" "	2	2	1	1	1	3	..	..	..	..	..	..	.	..	..	..	..	..
Females...	1		..	..	..	..	..	2	1	1	3	1	..	9	5	8	3	16	4	" "	2	..	..	..	3	..	1	..	2	..	..	..	1	..	..	..	..	..
Males	.		..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Fever, Urinary	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..
Males	.		..	..	..	..	..	..	..	..	..	..	..	....	....	....	2	....	1	Fever, Yellow	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..
Total	6		9	11	7	5	5	11	9	11	9	11	..	96	105	65	64	56	96	Fever (Unspecified)	50	7	4	5	3	3	3	4	1	3	2	2	1	1	2	..	..	5
Males	4		4	6	4	2	4	7	4	7	7	6	..	55	55	25	32	24	52	" "	26	3	1	5	2	..	1	3	1	2	2	1	1	1	2	..	..	4
Females...	2		5	5	3	3	1	4	5	4	2	5	..	41	50	40	31	32	44	" "	24	4	3	..	1	3	2	1	..	1	..	1	..	..	..	..	..	1
Unknown.	.		..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	..	" "	..	..	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..	..
Males	.		..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Fistula, Recto-cystic	..	..	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..	..
Males	.		..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	..	Fistula, Urethral	..	..	..	..	..	..	..	.	..	..	..	.	.	..	..	..	..	..
Males	.		..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	..	Fistula	..	..	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..	..
Females...	.		..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	....	..	"	..	..	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..	..
Males	.		..	..	..	.	..	..	..	..	..	..	..	....	....	....	54	75	51	Fits (See Convulsions)	..	..	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..	..
Females...	.		..	..	..	..	..	..	..	..	..	..	..	....	....	....	41	58	39	" " "	..	..	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..	..
Males	.		..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	..	Foot, Ulceration of	..	..	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..	..
Total	1		..	1	..	..	..	1	..	..	1	..	..	4	2	2	....	4	3	Fracture of Hip	..	..	..	..	..	..	.	..	..	..	1	.	1	..	1	..	..
Males	1		..	..	..	..	..	1	..	..	1	..	..	3	....	....	....	1	..	" " "	..	..	..	..	..	..	..	..	..	..	1	.	1	..	..	..	..
Females...	..		..	1	..	..	..	..	..	..	..	..	..	1	2	2	....	3	3	" " "	..	..	..	..	..	..	..	..	..	..	..	.	.	..	..	1	..	..
Males	..		1	..	..	..	2	..	..	..	..	..	..	3	4	4	3	3	2	Fracture of Leg	..	..	1	..	..	..	..	..	..	..	1	.	.	..	..	..	..	..
Females ..	..		..	..	..	..	..	..	..	..	..	..	..	....	2	1	1	1	1	" " "	..	..	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..	..
Males	..		..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	4	..	Fracture of Neck	..	..	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..	..
Females...	..		..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	" " "	..	..	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Fracture of Pelvis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	2	....	....	Fracture of Ribs	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	1	..	..	..	..	..	1	2	..	5	1	7	3	1	3	Fracture of Skull	....	..	..	..	..	2	1	1	..	..	..	..	1	..	..	..	..
Males	..	..	..	2	..	1	..	..	1	..	..	..	..	4	3	1	3	....	....	Fracture of Spine	....	..	..	..	..	..	2	..	1	..	..	..	1	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	.	..	..	..	..	..	..	..	1	..	1	2	2	....	....	1	Fracture	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	1	..	2	3	4	2	1	4	Freezing	....	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	1	....	Fright	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Fungus Hæmatodes	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Gall-bladder, disten. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	....	....	....	....	Gall-bladder, Rupture of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	" " " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	2	....	....	....	Gall-duct, Obstruction of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..			..	.	....	....	....	1	Gall, Disease of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	1	..	..	..	..	..			2	1	1	....	2	1	Gall-stone	....	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..			..	1	....	....	2	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	1	..	..	..	..	..	..			2	1	....	1	1	1	Gangrene, Senile	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
Males	..	..	1	..	..	..	..	..	..	..	..			1	.	....	1	....	1	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Females	..	..	..	..	1	..	..	..	..	..	..			1	1	....	....	1	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..

Total	1	1	..	..	..	..	..	..	1	..	..	..	3	13	10	10	12	6	Gangrene	.	..	..	..	.	..	..	..	..	..	.	..	..	1	.	2	..
Males	1	1	..	..	..	..	..	..	..	..	..	..	2	9	7	8	9	5	"	.	..	..	..	.	..	..	..	..	..	.	..	..	1	.	1	..
Females	..	..	..	..	..	..	..	..	1	..	..	..	1	4	3	2	3	1	"	.	..	..	..	.	..	..	..	..	..	.	..	..	..	.	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..	..	1	..	Gastralgia	.	..	..	..	.	..	..	..	..	..	.	..	..	..	.	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	..	.	..	Glanders	.	..	..	..	.	..	..	..	..	..	.	..	..	..	.	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..	1	.	..	"	.	..	..	..	.	..	..	..	..	..	.	..	..	..	.	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	....	1	..	..	.	..	Glandular Disease	.	..	..	..	.	..	..	..	..	..	.	..	..	..	.	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	..	.	..	" "	.	..	..	..	.	..	..	..	..	..	.	..	..	..	.	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	..	.	..	Goitre	.	..	..	..	.	..	..	..	..	..	.	..	..	..	.	..	..
Females	..	..	..	..	..	..	1	..	..	..	..	..	1	....	..	..	1	..	"	.	..	..	..	.	..	..	..	..	..	.	1	..	..	.	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..	..	1	..	Gonorrhea	.	..	..	..	.	..	..	..	..	..	.	.	..	..	.	..	..
Females	..	..	..	..	..	..	..	..	..	..	1	..	1	....	..	..	.	..	"	.	..	..	..	.	..	..	..	..	..	.	.	..	..	.	..	..
Males	..	..	..	..	.	..	..	..	..	..	..	..	....	1	..	..	1	..	Gout	.	..	..	..	.	..	..	..	..	..	.	.	..	..	.	..	..
Total	1	1	..	..	2	1	..	4	3	..	2	..	14	21	21	23	16	33	Gravel	1	..	..	..	..	1	..	..	1	.	.	2	2	2	3	2	..
Males	1	1	..	..	2	1	..	4	2	..	2	..	13	20	20	21	16	31	"	.	..	..	..	..	1	..	..	1	.	.	2	2	2	3	2	..
Females	..	..	..	..	..	..	..	..	1	..	..	..	1	1	1	2	.	2	"	1	..	..	..	.	..	..	..	..	..	.	.	..	..	.	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	..	.	..	Groin, Rupture of	.	..	..	..	.	..	..	..	..	..	.	.	..	..	.	..	..
Males	1	..	2	3	1	2	3	1	5	..	2	1	21	15	9	15	5	16	Gun-shot	.	..	2	2	8	2	2	1	..	..	1	1	..	1	..	.	..	1
Females	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..	2	.	3	"	.	..	..	..	.	..	..	..	..	..	.	.	..	..	.	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	....	1	..	..	.	..	Hæmatemesis	.	..	..	..	.	..	..	..	..	..	.	..	..	..	.	..	..
Females	..	..	..	..	..	..	..	..	1	..	..	..	1	....	..		.	..	Hæmatophelia	1	..	..	..	.	..	..	..	..	..	.	..	..	..	.	..	..
Females	..	..	..	..	..	..	1	..	..	..	..	..	1	....	..		.	..	"Hanging"	.	..	..	..	.	..	1	..	..	..	.	..	..	..	.	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..		1	..	Hay Fever	.	..	..	..	.	..	..	..	..	..	.	..	..	..	.	..	..
Males	..	..	..	..	..	.	..	..	..	..	..	..	....	1	..		.	2	Headache	.	..	..	..	.	..	..	..	..	..	.	..	..	..	.	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	....	2	..		.	..	"	.	..	..	..	.	..	..	..	..	..	.	..	..	..	.	..	..
Total	..	..	1	..	1	..	..	..	..	1	..	..	3	....	3	3	4	..	Head Disease	3	..	..	..	.	..	..	..	..	..	.	..	..	..	.	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	1	..	..	..	..	..	..	1	..	..	2	....	2	3	2	....	Head Disease	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	1	....	2	....	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	1	1	Head, Inflam. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1	....	3	....	....	" " "	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Head, Neuralgia in	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Head, Rupture in	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Heart, Abscess of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	1	..	..	2	....	....	....	....	....	Heart Clot	....	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	2	1	..	2	1	..	1	3	..	11	....	....	....	....	....	Heart, Cramps of	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	1	..	1	..	..	.	2	..	5	....	....	....	....	....	" " "	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	2	..	..	1	1	..	1	1	..	6	....	....	....	....	....	" " "	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Heart Disease, Organic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	35	32	34	40	39	30	40	42	30	49	37	41	2	451	444	414	332	367	320	Heart, Disease of	35	13	11	10	12	21	18	17	25	34	38	35	38	47	41	35	15	6
Males	21	16	18	26	23	15	20	26	16	29	19	25	2	256	236	222	187	194	185	" " "	22	7	5	5	8	11	7	7	7	22	18	22	20	28	28	22	12	5
Females	14	16	16	14	16	15	20	16	14	20	18	16	..	195	208	192	145	172	135	" " "	13	6	6	5	4	10	11	10	18	12	20	13	18	19	13	13	3	1
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	..	..	..	1	..	..	..	2	..	..	4	9	5	5	7	2	Heart, Enlargement of	....	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	2	..
Males	..	..	..	..	..	..	1	..	..	..	2	..	..	3	4	2	3	7	1	" " "	....	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	1	..
Females	1	..	..	..	..	..	..	..	..	..	..	..	..	1	5	3	2	....	1	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..

Total	..	1	..	..	1	..	1	..	..	1	1	2	..	7	....	1	3	2	....	Heart, Fatty Degen. of	....	..	..	..	1	..	1	1	..	1	1	..	1	..	..	..	1	..
Males	..	..	..	..	1	..	..	..	..	1	1	1	..	4	....	....	1	2	....	" " " "	....	..	..	..	1	..	..	..	..	..	1	..	1	..	..	..	1	..
Females	..	1	..	..	..	..	1	..	..	..	..	1	..	3	....	1	2	....	....	" " " "	....	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Heart, Hemorrhage of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	Heart, Hypertrophy of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	1	1	....	....	" " "	....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	2	....	....	....	....	Heart, Inflam. of	....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	1	2	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Heart, Malfor. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	1	1	2	..	..	2	1	..	2	..	10	6	12	5	9	9	Heart, Neuralgia of	....	..	..	..	..	..	..	..	..	..	2	1	2	1	1	2	1	..
Males	..	1	..	..	..	2	..	..	1	1	..	1	..	6	2	4	3	3	5	" " "	....	..	..	..	..	..	..	..	..	..	1	..	1	1	1	2	..	..
Females	..	..	..	1	1	..	..	..	1	..	..	1	..	4	4	8	2	6	4	" " "	....	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	2	1	Heart, Ossification of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	1	..	..	..	..	..	..	..	..	1	3	....	....	1	1	Heart, Palpitation of	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	1	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	1	2	4	3	1	3	..	2	1	2	5	..	26	12	14	12	3	2	Heart, Paralysis of	....	1	1	1	2	2	1	1	..	4	1	3	1	2	3	2	1	..
Males	2	1	1	2	2	1	3	..	1	..	2	2	..	17	3	5	8	3	2	" " "	....	..	1	1	1	2	..	1	..	4	..	1	1	1	2	1	1	..
Females	..	..	1	2	1	..	..	..	1	1	..	3	..	9	9	9	4	....	....	" " "	....	1	..	..	1	..	1	..	..	..	1	2	..	1	1	1	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Heart, Rupture of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1	....	....	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Total	..	..	..	..	..	..	1	..	..	..	..	1	..	2	1	2	3	1	2	Heart, Valvular Dis. of	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	1	....	1	2	" " " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Females	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	1	3	....	....	" " " "	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	....	....	....	Hemorrhage of Bladder	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	2	1	2	1	..	1	..	8	5	8	4	4	3	Hemorrhage of Bowels	2	..	..	..	1	..	..	..	1	..	2	..	..	1	..	1	..	.
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	3	3	1	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	2	....	2	....	....	Hemorrhage, Cerebral	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																	
	January.	February.	March.	April	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females															1	1				Hemorrhage, Cerebral																		
Males																1				Hemorrhage of Chest																		
Total					1										2	3				Hemorrhage, Internal			1						1									
Males														1	1					" "									1									
Females					1									1	2					" "			1															
Males															1	1				Hemorrhage of Kidneys																		
Total	2	1	1	3	5	1	1	1		2	3			21	20	22	25	17	15	Hemorrhage of Lungs	1	1		4	2	2	1	2	2	1	2	1		2				
Males	2		1	2	3			1	1	1	3			14	14	15	18	13		" " "	1			2	1	2	1	2	1	1	1			2				
Females				1	2	1	1			1				7	6	7	7		4	" " "		1		2	1				1		1	1						
Males													1	1	1	1	3		2	Hemorrhage of Nose	1																	
Females																4	1			" " "																		
Females															1					Hemorrhage, Ovarian																		
Males																				Hemorrhage, Spinal																		
Males						1		1			1			3	3	5	2			Hemorrhage of Stomach	1									1		1					
Females															2			3		" " "																		
Males															1		2			Hemorrhage, Umbilical																		
Females																1				" "																		
Females							1					1		2	3	2	2	4	6	Hemorrhage, Uterine						1			1								
Total	3		2	1	1	2		2	1			2		15	12	18	12	18	13	Hemorrhage	5			1		2	3	1				1		2			
Males	2		2	1		2		1						9	6	10	7	9	9	"	3					1	3					1		1				
Females	1				1			1	1			2		6	6	8	5		1	"	2				1		1		1					1				

Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Hernia, Abdominal*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Hernia of Bowels	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	1	..	Hernia, Umbilical	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	5	..	1	3	..	1	5	3	2	..	22	13	25	16	17	14	Hernia (Unspecified)	1	..	..	..	..	..	..	2	..	3	3	2	..	3	2	2	..	..	..	..	..	..
Males	..	4	..	..	2	..	1	3	2	1	..	13	11	16	10	3	10	" "	1	..	..	..	..	..	..	1	..	1	1	2	..	1	2	2	..	..	..	..	..	..
Females	..	1	..	1	1	..	..	2	1	1	..	9	2	9	6	4	4	" "	..	..	..	..	..	..	..	1	..	2	2	..	2	2	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..		..	Hiccough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	1	..	..	2	..	..	2	..	6	11	5	10	4	7	Hip Disease	1	..	3	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	2	..	3	9	4	7	3	7	" "	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	2	..	..	..	..	3	2	1	3	1	..	" "	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Hip, Dislocation of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	.	Hip, Injury of	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Hip, Ulceration of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	.	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	.		Hives	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	.		"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	1	..	1	1	..	3	..	..	2	4		Homicide	..	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	1	..	..	2	..	..	1	4		"	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	.		"	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1		"Hung Himself"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..		.	..	..	..	..	..	.		Hydates	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..		.	..	..	..	..	1	.		Hydrocele	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	..	..	1	.	.		.	..	4	4	5	6	6	5	Hydrocephalus	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	.	.			..	1	1	3	4	5	3	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	1	1	.		.	..	3	3	2	2	1		"	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	1	.	1		..	2	..	..	..	.		Hydrophobia	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	.		.	..	1	.	..	..	.		"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* Includes 1 Bursting of Blood-vessel.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	..	....	....	....	Hydrophobia	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	....	....	....	Hysteria	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..		....	....	..	....	1	....	Iced-water, Drinking of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..		....	....	..	....	1	....	Icterus Infantum	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..		....	....	..	....	1	....	Impacted Fæces	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	1	..	1	1	..	..	..		3	3	4	3	....	4	Inanition	3	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..
Males	..	..	..	..	..	..	..	1	1	..	..	..		2	3	2	2	....	2	"	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..		1	....	2	1	....	2	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	..	..	..	..	1	3	2	..	1		8	6	8	2	3	4	Indigestion	7	..	..	..	..	..	..	..	..	..	..		..	..	..	..	1
Males	..	..	..	..	..	..	..	1	2	1	..	..		4	3	2	2	2	2	"	3	..	..	..	..	..	..	..	..	..	..		..	..	..	..	1
Females	..	1	..	..	..	..	..	..	1	1	..	1		4	3	6	....	1	2	"	4	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..		....	....	1	....	1	3	Infanticide	....	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..		....	....	1	....	2	3	"	....	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..
Total	4	2	..	3		..	1	2	5	..	2	6		29	27	19	31	24	36	Infantile	29	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..
Males	3	1	..	2		..	1	1	4	..	1	..		15	17	6	18	15	19	"	15	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..
Females	1	1	..	1		..	..	1	1	..	1	6			10	13	13	9	17	"	14	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..
Females	..	..	..	..		..	..	..	..	..	..	..			1	..	....	....	....	Inflammation of Limbs	....	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..
Females	..	..	..	..		..	..	..	..	..	..	..			1	..	....	....	....	Inflammation of right side	....	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..
Total	1	2	2	3		1	7	5	8	3	3	4		39	37	39	32	39	28	Inflammation	23	2	1	2	..	3	..	..	..	1	..	1		1	2	1	..	2
Males	1	1	1	3		1	3	3	4	3	..	3		23	17	24	10	21	10	"	16	2	..	1	..	..	..	..	..	..	..	1		1	2	..	..	..
Females	..	1	1	..		..	4	2	4	..	3	1		16	20	15	22	18	18	"	7	..	1	1	..	3	..	..	..	1	..	..		..	..	1	..	2

Males	..		..	..	..	..	..	..	1	.	..	.	..	2	1	2	3	..	..	Influenza	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	.	..	.	..	....	2	3	..	1	..	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	.	..	.	..	....	..	..	1	..	..	Inhaling Steam from Tea-kettle	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	.	..	.	..	....	..	..	..	1	..	Injured Limb	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	..	.	1	.	..	3	..	..	..	1	..	Injury, Internal	....	..	..	1	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	.	.	.	..	1	..	..	..	1	..	Injury	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	.	..	.	..	....	..	..	..	..	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	1	..	..	..	1	2	2	2	1	..	..	10	8	7	11	17	13	Insanity	....	..	..	2	..	1	1	..	1	..	..	1	1	..	2	.	1					
Males	1	..	1	..	..	..	1	1	1	1	1	..	..	7	2	4	8	10	7	"	....	..	..	1	..	1	1	..	.	..	..	1	1	..	2	.	..					
Females	..	..	..	..	..	..	..	1	1	1	.	..	.	3	6	3	3	7	6	"	....	.	..	1	..	..	..	..	..	1	..	..	..	..	..	.	1					
Males	..	1	2	..	..	..	1	3	..	.	..	1	..	8	12	14	3	7	7	Intemperance	....	..	..	..	1	2	1	1	1	..	..	..	1	..	..	.	1					
Females	..	..	..	..	..	..	..	..	..	.	..	..	..	....	..	..	3	..	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..				
Total	..	6	2	2	5	4	1	5	3	2	3	8	..	41	19	16	22	16	23	Jaundice [a]	14	2	1	2	..	2	..	1	1	..	3	4	3	8	..	.	..					
Males	..	6	2	2	1	2	..	4	2	.	1	4	..	24	11	13	14	11	15	"	10	1	..	2	..	1	..	.	1	..	2	1	2	4	.	.	..					
Females	..	..	..	..	4	2	1	1	1	2	2	4	..	17	8	3	8	5	8	"	4	1	1	..	..	1	..	1	..	..	1	3	1	4	..	.	..					
Total	2	6	3	13	6	8	10	9	9	8	9	6	..	89	80	36	32	35	22	Kidney, Bright's Disease of	2	..	1	4	2	1	3	4	5	4	9	9	12	16	14	2	1					
Males	2	6	2	11	6	6	9	8	9	6	9	4	..	78	62	23	26	23	18	" " " "	2	..	1	2	2	1	2	2	4	3	7	9	12	15	13	2	1					
Females	..	..	1	2	..	2	1	1	..	2	.	2	..	11	18	13	6	12	4	" " " "	....	..	..	2	..	..	1	2	1	1	2	..	..	1	1	.	..					
Total	5	7	3	4	5	3	5	2	13	6	9	9	..	71	55	53	66	42	46	Kidney Disease	4	..	3	2	4	..	3	3	2	5	5	9	7	6	8	8	1					
Males	5	6	2	4	2	..	4	1	10	4	9	8	..	55	42	42	50	35	37	" "	1	..	1	2	3	..	1	1	1	4	4	7	7	5	8	8	1					
Females	..	1	1	..	3	3	1	1	3	2	.	1	..	16	13	11	16	7	9	" "	3	..	2	..	1	..	2	2	1	1	1	2	..	1	.	.	..					
Total	3	..	2	2	4	2	1	1	4	3	1	..	..	23	15	18	13	10	10	Kidneys, Inflam. of	1	1	1	..	2	4	1	.	..	..	5	1	4	1	1	1	..					
Males	2	..	1	1	2	2	1	..	2	2	1	..	..	14	13	13	13	8	6	" " "	1	1	1	..	..	1	..	.	..	..	3	1	3	1	1	1	..					
Females	1	..	1	1	2	..	..	1	2	1	.	..	..	9	2	5	..	2	4	" " "	....	..	..	..	2	3	1	.	..	..	2	..	1	..	.	.	..					
Males	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..	1	..	1	1	Kidneys, Ulceration of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	.	..					
Females	..	..	..	..	..	..	..	..	..	.	.	..	..	..	..	..	1	..	..	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	.	..					

[a] Includes 1 "Black" and 4 "Yellow.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Knee, Inflam. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	....	....	1	Knee Joint, Dis. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	1	....	....	....	Laryngitis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	2	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	1	....	Lead Poison	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	2	Leg, Diseased	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	....	Leg, Ulcer. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	1	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Leprosy	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Lethargy	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	1	..	2	5	1	..	..	..	..	..	9	12	2	10	5	6	Lightning	3	1	..	..	2	..	1	..	1	..	..	1	..	..	..	..	..
Males	..	..	..	1	..	2	4	..	..	..	..	..	..	7	12	1	8	3	6	"	2	1	..	..	2	..	1	..	..	..	..	1	..	..	..	..	..
Females	..	..	..	..	..	..	1	1	..	..	..	..	..	2	....	1	2	2	....	"	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Total	..	1	1	1	..	..	1	..	2	..	1	..	..	7	8	5	10	6	6	Liver, Abscess of	....	1	..	1	..	..	1	..	..	1	..	3	..	..	..	..	..
Males	..	1	1	1	..	..	..	..	2	..	..	..	..	5	4	4	3	4	4	" " "	....	1	..	1	..	..	..	..	..	1	..	2	..	..	..	..	..	..
Females	..	..	..	..	..	..	1	..	..	..	1	..	..	2	4	1	7	2	2	" " "	....	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Liver, Amaloid Disease of	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Total	..	..	..	..	..	..	1	..	1	..	..	..	..	2	1	....	2	....	....	Liver, Consumption of	....	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	2	....	....	" " "	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..

Total	1	4	5	7	11	5		6		5	9	8	..	68	74	84	87	77	62	Liver Disease	9		1	4	2	4	4	7	3	3	7	9	3	7	2	2	..
Males	1	3	4	3	6	..		3		1	5	5	..	34	36	40	43	45	42	" "	3		1	1		2	1	5	3	1	5	5	1	3	2	..	..
Females	..	1	1	4	5	5		3		4	4	3	..	34	38	44	44	32	20	" "	6		..	3		2	3	2	..	2	2	4	2	4	..	2	..
Total	1	1	..	..	1	2		..		2	..	..	..	7	3	4	5	11	12	Liver, Enlarg'tof	3		..	..		..	..	1	..	1	..	1	1	..	..	..	..
Males	1	1	..	..	..	..		..		..	..	..	..	2	..	2	3	6	7	" " "	1		..	..		..	..	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	2		..		2	..	..	..	5	3	2	2	5	5	" " "	2		..	..		..	..	..	..	1	..	1	1	..	..	..	..
Males	..	..	..	..	..	..		..		..	..	..	..	..	..	..	1	..	..	Liver, Fatty Degen. of	..		..	..		..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	2	2	1		2		1	..	..	..	11	11	8	10	6	7	Liver, Inflam. of	1	1	..	..		..	..	1	..	2	1	2	1	1	..	..	..
Males	..	..	..	2	1	1		1		1	..	..	..	7	9	6	6	4	2	" " "	..	..	..	..		..	..	1	..	1	1	1	1	1	..	..	..
Females	1	..	..	..	1	..		1		..	..	..	..	4	2	2	4	2	5	" " "	1	1	..	..		..	..	..	..	1	..	1	..	..	..	..	..
Males	..	..	..	..	..	..		..		..	..	..	..	..	..	..	1	..	..	Liver, Ossification of	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..		..		..	..	..	..	..	..	..	..	..	1	Liver, Rupture of	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..
Males		..	..	..	..	..	..	..		..	1	1	..	2	..	..	..	..	..	Liver, Scirrhosis of	..	..	..	..		..	..	1	..	..	..	..	..	..	..	..	1
Females		..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	" " "	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..
Females		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Liver, Tumor on	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..
Males		..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	3	2	2	Liver, Ulcer. of	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..
Females		..	..	1	..	..	..	..	..	..	..	..	..	1	1	1	1	..	2	" " "	..	..	..	..		..	..	..	..	..	..	..	..	1	..	..	..	..
Males		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Loss of Eye	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..
Males		..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Lumbago	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..
Females		..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	"	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..
Total		..	..	..	1	..	..	..	..	2	..	..	2	..	6	3	3	6	3	4	Lungs, Abscess of	1	..	..	1		1	1	..	1	..	..	..	1	..	..	..	..
Males		..	..	..	1	..	..	..	..	1	..	..	1	..	3	2	2	3	1	3	" " "	1	..	..	..		1	1	..	..	..	..	..	..	..	..	..	..
Females		..	..	..	..	..	..	..	..	1	..	..	1	..	3	1	1	3	2	1	" " "	..	..	..	1		..	..	..	1	..	..	..	1	..	..	..	..
Males		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	Lungs, Apoplexy of	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..
Females		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	" " "	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..
Total	12	13	24	26	9	6	9	9	17	18	15	13	..	171	215	176	180	139	192	Lung Disease	78	4	5	3	5	2	4	3	3	7	6	12	7	11	7	6	1
Males		10	13	17	4	4	2	5	7	8	7	7	..	89	112	107	97	82	110	" "	42	..	3	2	2	..	1	1	2	3	4	8	3	7	5	4	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	7	3	11	9	5	2	7	4	10	10	8	6	..	82	103	69	83	57	82	Lung Disease	36	5	4	2	1	3	2	3	2	1	4	2	4	4	4	2	1
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Lungs, Neuralgia of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	1	..	1	2	....	....	....	....	Lungs, Œdema of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	1	..	..	..	..	..	..	..	..	2	4	1	1	....	1	Lungs, Paralysis of	....	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Males	..	..	..	..	1	..	..	..	..	..	..	..	..	1	2	1	....	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	2	....	1	....	....	" " "	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	3	....	1	Lungs, Ulcer. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	1	..	..	..	..	..	..	..	..	1	..	3	3	1	....	....	....	Malaria	....	..	..	..	..	2	..	..	..	..	..	..	..	..	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	1	..	1	2	....	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Females	..	1	1	..	..	..	..	..	..	..	..	..	..	2	1	1	....	....	....	"	....	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	..	..	..	3	1	..	1	3	1	..	10	3	3	11	5	9	Malformation *	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	1	3	1	..	6	....	3	7	4	7	"	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	..	..	3	..	..	..	..	..	..	4	3	....	4	1	2	"	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	4	....	....	....	....	Mania, Puerperal	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	1	2	..	..	..	..	1	..	4	....	....	2	1	5	Mania	....	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	....	1	5	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	1	..	..	..	..	1	..	3	....	....	2	....	....	"	....	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..
Total	4	2	3	6	..	1	3	3	2	3	4	6	..	37	26	9	6	11	8	Marasmus	34	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	2	1	1	1	..	..	1	2	1	1	..	4	..	14	19	2	1	6	5	"	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	2	1	2	5	..	1	2	1	1	2	4	2	..	23	7	7	5	5	3	"	20	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females	--	--	--	--	--	--	--	-	-	--	--	--	-	---		----	--	1	-	Mastoid Bone, Dis. of	----	--	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	6	15	17	44	63	26	21	26	9	7	10	11	1	256	125	167	16	62	118	Measles [b]	167	27	16	12	10	7	5	4	4	--	1	1	--	--	1	--	--	1
Males	2	10	11	24	29	11	7	9	3	2	6	6	-	120	58	77	8	33	56	"	86	12	6	6	3	3	1	1	1	--	--	--	--	--	1	--	--	--
Females	4	5	6	20	34	15	14	17	6	5	4	5	1	136	67	90	8	29	62	"	81	15	10	6	7	4	4	3	3	--	1	1	--	--	--	--	--	1
Males	--	-	--	--	--	--	--	-	-	--	--	--	-	---		----	--	--	2	Melancholia	----	--	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	-	--	--	--	--	--	-	-	--	--	--	-	---		----	--	--	1	"	----	--	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	-	--	--	--	--	--	-	-	--	--	--	-	---		1	1	2	-	Meningitis, Cerebral	----	--	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	-	--	--	1	--	--	-	-	1	--	--	-	2		2	--	--	-	" "	1	--	-	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--
Total	2	6	3	4	5	1	6	5	1	2	3	3	-	41	5	10	8	9	14	Meningitis, Cerebro-spinal	13	5	5	5	4	2	2	--	--	--	--	1	1	1	--	1	1	--
Males	--	4	3	3	3	1	5	2	1	1	3	2	-	28		5	5	1	4	" " "	9	5	1	4	3	1	2	--	--	--	--	1	--	1	--	--	1	--
Females	2	2	--	1	2	--	1	3	-	1	--	1	-	13		5	3	8	10	" " "	4	--	4	1	1	1	--	--	--	--	--	--	1	--	--	1	--	--
Total	4	7	9	19	17	10	7	16	8	13	7	6	-	123	58	31	28	39	30	Meningitis, Spinal	63	24	7	7	5	4	5	--	3	--	1	1	--	--	--	1	--	2
Males	3	2	6	14	11	9	4	10	7	4	4	2	-	76	38	16	15	20	10	" "	39	17	3	4	4	2	4	--	2	--	--	1	--	--	--	--	--	--
Females	1	5	3	5	6	1	3	6	1	9	3	4	-	47	20	15	13	19	20	" "	24	7	4	3	1	2	1	--	1	--	1	--	--	--	--	1	--	2
Total	--	-	--	--	1	--	--	1	-	--	--	--	1	3		1	1	1	1	Meningitis, Tubercular	2	--	-	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
Males	--	-	--	--	1	--	--	-	-	--	--	--	1	2		1	1	1	1	" "	1	--	-	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
Females	--	-	--	--	--	--	--	1	-	--	--	--	-	1		----	--	--	-	" "	1	--	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1	3	1	3	1	1	4	1	4	--	1	1	-	21	22	12	10	11	5	Meningitis	13	2	1	1	--	--	--	1	--	--	--	1	--	1	1	--	--	--
Males	1	1	--	2	1	--	1	1	2	--	--	1	-	10		8	7	7	4	"	3	2	1	--	--	--	--	1	--	--	--	1	--	1	1	--	--	--
Females	--	2	1	1	--	1	3	-	2	--	1	--	-	11	10	4	3	4	1	"	10	--	-	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	-	--	--	--	--	--	-	-	--	--	--	-	---		----	2	--	-	Menstruation, Obstructed	----	--	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-
Females	--	-	--	1	--	--	--	-	-	--	--	--	-	1		1	--	--	-	Menses	----	--	-	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--
Females	--	-	--	--	--	--	--	-	-	--	--	--	-	---		----	--	--	1	Metro-peritonitis	----	--	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	-	--	--	--	--	--	-	-	--	--	--	-	---		----	--	1	-	Midwifery, Bad	----	--	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	-	--	--	--	--	--	-	-	--	--	--	-	---		----	--	1	-	" "	----	--	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	-	--	--	--	--	--	-	-	--	--	--	-	---		----	--	--	1	Milk Leg (Phleg. dolens)	----	--	-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

[a] Includes 1 heart misplaced.

[b] Includes 1 Black Measles.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	--	--	1	--	1	--	--	--	--	--	--	--	--	2	----	----	2	3	2	Milk Leg, (Phleg. dolens)	----	--	--	1	1	--	--	--	--	--	--	--	--	--	----	----	----	--
Females	--	--	1	--	--	--	--	--	--	--	--	--	--	1	----	----	----	----	1	Mistake in Medicine	1	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	----	1	Mortification	----	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	--
Females	--	--	--	--	--	--	1	--	--	--	--	--	--	1	----	----	----	1	1	"	1	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	--
Total	--	--	1	--	2	--	--	2	1	--	--	--	--	6	1	2	5	2	7	Mouth Disease	6	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	--
Males	--	--	1	--	1	--	--	2	--	--	--	--	--	4	----	2	1	----	4	" "	4	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	--
Females	--	--	--	--	1	--	--	--	1	--	--	--	--	2	1	----	4	2	3	" "	2	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	----	1	Mouth, Nursing Sore	----	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	--
Females	--	--	--	--	--	--	--	--	1	--	--	--	--	1	1	----	----	----	2	" " "	1	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	--
Total	1	--	--	1	1	--	2	2	--	2	--	--	--	9	1	2	3	4	6	Mumps	6	2	--	--	--	--	--	--	--	--	--	--	--	1	----	----	----	--
Males	1	--	--	--	1	--	2	--	--	2	--	--	--	6	1	2	1	3	3	"	3	2	--	--	--	--	--	--	--	--	--	--	--	1	----	----	----	--
Females	--	--	--	1	--	--	--	2	--	--	--	--	--	3	----	----	2	1	3	"	3	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	--
Total	--	--	1	1	--	1	--	3	1	1	1	2	--	11	5	15	9	9	9	Murder	1	--	--	1	1	--	2	--	1	1	--	1	1	--	1	----	1	--
Males	--	--	1	1	--	1	--	2	1	1	1	2	--	10	4	10	5	5	9	"	1	--	--	1	1	--	2	--	1	--	--	1	1	--	1	----	1	--
Females	--	--	--	-	--	--	--	1	--	--	--	--	--	1	1	5	4	4	----	"	----	--	--	--	--	--	--	--	--	1	--	--	--	--	----	----	----	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	----	----	Necrosis of Hip	----	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	----	----	Necrosis of Temple Bone	----	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	----	1	Necrosis	----	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	--
Females	--	-	--	--	--	--	--	--	1	1	--	1	--	3	1	----	----	1	----	Neglect	3	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	--
Total	3	1	--	1	1	1	--	1	--	--	--	4	--	12	10	4	6	5	7	Nerve Disease	2	--	--	--	1	--	1	1	1	2	1	--	1	2	----	----	----	--
Males	--	--	--	1	--	--	--	--	--	--	--	2	--	3	2	3	2	2	3	" "	2	--	--	--	--	--	--	--	--	--	1	--	--	--	--	----	----	----	--

Females..	3	1	..		1		..	1	..	.	..	2	..	9	8	1	4	3	4	Nerve Disease	....	..	..	..	1	..	1	1	1	2	..	..	1	2	..	....	....	..
Males.....	..	..	..		..		..	..	..	.	..	..	..	....	....	1	....	....	....	Neuralgia, Facial	....	..	..	..	.	..	..	..	.	.	..	..	..	..	..	....	....	..
Females..	..	..	..		..		..	..	..	.	..	1	..	1	....	.	....	....	....	" "	....	..	..	..	.	..	..	..	.	.	1	..	..	..	..	....	....	..
Males.. ...	1	..	..		..		..	..	..	.	..	..	..	1	....	.	....	....	....	Neuralgia in Head	....	..	..	..	.	..	..	..	.	.	..	..	..	..	1	....	....	..
Total.....	2	..	3		..		2	..	1	.	1	2	..	12	8	7	5	6	4	Neuralgia	....	..	..	..	2	..	..	1	2	2	1	..	1	..	1	1	1	..
Males.....	..	..	1		..		2	..	1	.	1	1	..	7	1	4	2	2	1	"	....	..	..	..	.	..	..	..	2	1	1	..	1	..	1	....	1	..
Females..	2	..	2		..		..	..	..	.	..	1	..	5	7	3	3	4	3	"	....	..	..	..	2	..	..	1	..	1	..	..	..	..	..	1	....	..
Males....	..	..	..		..		.	1	..	.	..	..	..	1	....	.	....	....	....	Nightmare	....	..	..	..	.	..	..	..	..	.	..	..	..	..	1	....	....	..
Females..	..	..	..		..		..	..	..	.	..	..	..	....	....	.	1	....	....	"	....	..	..	..	.	..	..	..	..	.	..	..	..	..	..	....	....	..
Males.....	..	..	..		..		..	..	..	.	..	..	..	....	....	.	....	1	....	Obstruction of Veins of Neck	....	..	..	..	.	..	..	..	..	.	..	..	..	..	..	....	....	..
Total.....	38	39	69	52	53		53	82	81	72	59	73	3	725	625	608	579	489	483	Old Age	....	..	..	..	.	..	..	..	..	.	..	..	7	26	105	107	412	8
Males	20	18	37	17	20	22	32	44	36	39	36	37	2	360	317	294	281	248	228	" "	....	..	..	..	.	..	..	..	..	.	..	..	2	10	50	84	213	1
Females...	18	21	32	35	33	29	21	38	45	33	23	36	1	365	308	314	298	241	255	" "	....	..	..	..	.	..	..	..	..	.	..	..	5	16	55	83	199	7
Males.....	..	..	..		..		..	..	..	.	..	..	..	....	1	.	....	....	1	Opium Eating	....	..	..	..	.	..	..	..	..	.	..	..	..	..	....	....	....	..
Males.....	..	..	..		..		..	..	..	.	..	..	..	....	1	.	....	....	....	Ossification of Arteries	....	..	.	..	.	..	..	..	..	.	..	..	..	..	....	....	....	..
Males.....	..	..	..		..		..	..	..	.	..	..	..	....	....	.	....	1	....	Osteo-sarcoma	....	..	..	..	.	..	..	..	..	.	..	..	..	..	....	....	....	..
Females..	..	..	1		..		..	..	..	.	..	..	..	1	1	.	1	....	....	Ovarian Disease	....	..	..	..	.	..	..	1	..	..	..	..	.	..	....	....	....	..
Females...	..	..	..		..		..	..	..	.	..	..	..	....	....	1	1	....	....	Ovarian Dropsy	....	..	..	..	.	..	..	..	..	.	..	..	..	..	....	....	....	..
Females...	..	1	2		1		1	..	2	2	..	1	..	11	14	1	6	5	3	Ovarian Tumor	....	..	..	..	1	1	1	..	1	2	3	1	..	1	....	....	....	..
Females...	..	..	..		..		..	..	..	.	..	..	..	....	....	.	....	1	....	Ovaritis, Chronic	....	..	..	..	.	..	..	..	.	.	..	..	..	..	....	....	....	.
Total.....	1	1	..		1		1	..	1	.	..	..	..	6	14	5	8	7	4	Over-dose of Medicine ....[b]	1	1	..	1	1	..	..	..		..	..	..	..	1	....	....	....	..
Males.....	1	..	..		1		..	..	..	.	..	..	..	3	8	3	7	4	4	" " "	1	..	..	..	1	..	..	..		..	..	..	..	..	....	....	....	..
Females..	..	1	..		..		1	..	1	.	..	..	..	3	6	2	1	3	....	" " "	....	1	..	1	.	..	..	..		..	..	..	..	1	....	....	....	..
Total.....	..	..	..		..		1	..	1	.	.	..	..	2	1	.	....	....	....	Over-heated	....	..	1	..	.	..	..	..		..	..	..	..	..	....	1	....	..
Males.....	..	..	..		..		1	..	..	.	..	..	..	1	1	.	....	....	....	"	....	..	..	..	.	..	..	..		..	..	..	..	..	....	1	....	..
Females..	..	..	..		..		..	..	1	.	..	..	..	1	....	.	....	....	....	"	....	..	1	..	.	..	..	..		..	..	..	..	..	....	....	....	..

[a] Includes Nervous Prostration, 12. [b] Includes Morphine 2 and Laudanum 2.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Over-lifting, Strained by	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	1	Over-work	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Pancreas Disease	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	1	..	..	..	..	..	..	..	1	..	2	1	..	..	..	..	Paralysis, Creeping	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Total	..	1	..	..	4	..	..	1	3	1	1	3	..	14	8	7	5	1	3	Paralysis, General	..	..	..	..	..	1	3	2	..	3	1	1	..	1	2	..	..
Males	..	1	..	..	4	..	..	1	3	..	..	3	..	12	8	7	4	1	3	" "	..	..	..	..	..	1	3	2	..	3	..	1	..	1	1	..	..
Females	..	..	..	..	..	..	..	..	..	1	1	..	..	2	..	..	1	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	Paralysis of Stomach	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	21	16	19	18	23	19	20	23	21	18	24	20	1	243	270	255	237	241	230	Paralysis	7	1	1	1	4	2	1	2	13	13	13	18	25	31	39	38	32	2
Males	14	7	9	10	13	12	14	11	14	8	8	11	1	132	139	122	120	132	127	"	3	..	1	1	4	2	1	1	8	5	9	3	16	13	25	23	16	1
Females	7	9	10	8	10	7	6	12	7	10	16	9	..	111	131	133	117	112	103	"	4	1	..	..	..	..	..	1	5	8	4	15	9	18	14	15	16	1
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Paraplegia	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	Pelvic, Cellulitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	1	..	1	Pericarditis	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Perineum, Inflam. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Periostitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Peritonitis, Pelvic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females..	..	..	...	1	..	..	..	..	..	..	..	...	..	1	2	....	....	....	....	Peritonitis, Puerperal	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	1	3	1	3	1	3	2	..	2	2	..	19	10	15	11	8	8	Peritonitis	2	1	1	1	2	1	1	2	1	1	3	1	..	1	..	..	..	1
Males	..	..	...	3	..	1	..	2	1	..	1	1	..	9	5	6	5	4	4	"	1	1	1	..	..	1	..	..	..	..	2	1	..	1	..	..	..	1
Females..	..	1	1	...	1	2	1	1	1	..	1	1	..	10	5	9	6	4	4	"	1	..	..	1	2	..	1	2	1	1	1	..	..	..	..	..	..	..
Total	..	..	...	...	..	..	..	..	..	..	..	2	..	2	1	....	....	....	....	Pharyngitis	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	...	...	..	..	..	..	..	..	..	1	..	1	1	....	....	....	....	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females..	..	..	...	...	..	..	..	..	..	..	..	1	..	1	....	....	....	....	....	"	....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	...	...	..	..	1	1	1	..	..	...	..	3	2	....	3	1	3	Piles	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	.
Males	..	..	...	...	..	..	..	1	..	..	..	...	..	1	2	....	3	1	3	"	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Females..	..	..	...	...	..	..	1	..	1	..	..	...	..	2	....	....	....	....	....	"	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	5	4	..	1	1	1	3	..	1	2	..	19	26	20	16	14	19	Pleurisy	2	..	..	..	..	.	1	1	1	3	..	2	1	1	3	2	2	..
Males	1	..	2	1	..	1	..	..	1	..	..	2	..	8	15	11	9	7	12	"	1	..	..	..	..	..	..	..	1	3	..	1	1	..	1	..	..	..
Females..	..	..	3	3	..	..	1	1	2	..	1	...	..	11	11	9	7	7	7	"	1	..	..	..	..	..	1	1	..	..	..	1	..	1	2	2	2	..
Total	..	3	1	...	1	..	..	..	..	1	1	...	..	7	9	4	4	3	....	Pleuro-pneumonia	1	..	..	..	1	1	..	..	..	..	..	2	2	..	..	..	..	.
Males	..	..	1	...	..	..	..	..	..	1	1	...	..	3	5	2	2	2	....	" "	1	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..
Females...	..	3	...	...	1	..	..	..	..	..	..	...	..	4	4	2	2	1	....	" "	....	..	..	..	1	1	..	..	..	..	..	1	1	..	..	..	..	..
Total	11	12	9	13	16	6	3	3	9	14	12	15	..	123	98	72	58	70	48	Pneumonia, Typhoid	14	6	9	12	10	5	7	4	2	7	9	10	7	7	5	2	6	1
Males	6	5	7	7	9	3	3	2	6	8	5	7	..	68	61	42	29	38	27	" "	8	4	5	3	5	3	2	3	..	5	8	7	6	2	3	..	4	..
Females..	5	7	2	6	7	3	..	1	3	6	7	8	..	55	37	30	29	32	21	" "	6	2	4	9	5	2	5	1	2	2	1	3	1	5	2	2	2	1
Total	77	88	126	100	70	37	39	29	47	55	43	91	3	805	812	701	462	465	627	Pneumonia	333	40	18	27	35	27	21	27	27	28	35	32	25	39	39	27	12	13
Males	33	47	74	64	48	19	26	16	24	28	29	57	2	467	479	402	275	263	364	"	189	18	3	14	25	21	14	11	18	19	22	21	16	26	21	20	2	7
Females..	44	40	52	36	22	18	13	13	23	27	14	34	1	337	333	299	187	202	263	"	143	22	15	13	10	6	7	16	9	9	13	11	9	13	18	7	10	6
Unknown.	..	1	...	...	..	..	..	..	..	..	..	...	..	1	....	....	....	....	....	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.
Females..	..	..	...	...	..	..	..	..	..	..	..	...	..	....	1	....	....	....	....	Pneumothorax	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	1	1	2	4	1	1	6	3	2	1	1	..	25	22	15	27	21	19	Poison *	9	1	3	3	1	..	5	2	..	..	1	..	..	..	..	..	..	..
Males	..	..	1	1	8	..	..	5	2	..	..	1	..	13	14	9	14	12	6	"	4	1	1	1	1	..	3	1	..	..	1	..	..	..	..	..	..	..

* Includes Arsenic 1, Eating matches 1, Vegetable poison 1, and Photographic Chemicals 1.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881. January	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Years. 1881.	1880.	1879.	1878.	1877.	1876.	CAUSES OF DEATH.	Ages in Periods of Years.—1881. Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	2	1	..	1	1	1	1	1	1		1	..	..	12	8	6	13	9	13	Poison	5	..	2	2	..	..	2	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	1	..	..	Prolapsus Uteri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..	1	Prolapsus	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	1	..	Prostate, Disease of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..		..	..	..	1	..	..	..	..	1	Prostate, Enlarg't of	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Prostate Gland, Swelling of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Prostatitis, Chronic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Prostatitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	Prostration	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Puerperal Congestion	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	5	3	4	6	Puerperal Convulsions	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	6	6	7	6	7	1	4	1	2	3	2	5	..	53	37	39	16	23	29	Puerperal Fever	..	..	..	4	23	12	9	2	3	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	Puerperal Peritonitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	Puerperal Septicæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	Purpura Hemorrhagica	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	..	..	..	1	..	2	1	..	..	1	..	Pyæmia	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Total	1		3	1			1	2			1	2		13	8	5	7	1	4	Quinsy	4	2		1	1	1	1			1								1
Males			3							2		2		8	5	1	2		3	"	4	2		1		1													
Females	1			1			1				1			5	3	4	5	1	1	"					1		1			1									1
Total							1				1			2	3	1	2	1		Rachitis	2																		
Males											1			1	1		1			"	1																		
Females							1							1	2	1	1	1		"	1																		
Total	1	2		8	7	5	5	4	9	7	6	15	2	75	40	40	46	42	37	Railroad Accident	3	2	13	13	7	4	4	7	3		1	2	2	4	2	4	4	
Males	1	2		8	7	4	4	4	8	6	4	14	2	68	37	38	42	37	36	" "	1	2	11	13	7	4	4	6	2		1	2	2	4	2	3	4	
Females					1	1		1	1	2	1			7	3	2	4	5	1	" "	2		2					1	1							1		
Males					1									1					1	Rash	1																	
Females															1					"																		
Males				1										1						Rheumatism of Brain												1						
Females															1					" " "																		
Females																		1		Rheumatism in Chest																		
Males															1					Rheumatism, Chronic																		
Females							1					2		3						" "											1		1				1	
Total	1	1	5		3	1	2	3	1	1	4	3		25	18	10	8	12	11	Rheumatism of Heart		3	2	1	4		2	1		1			2	4	2	2	1	
Males		1	5		3	1	1	2		1	3	1		18	13	4	6	6	7	" " "		1	1	1	3		2	1					1	2	2	2	1	
Females	1						1	1	1		1	2		7	5	6	2	6	4	" " "		2	1		1								1	2				
Total	4	3	6	4	2	2	4	2	2	1	1	2		33	23	21	15	12	18	Rheumatism, Inflam.	2	3	7	1	2	1	2	1	2		4	3	1		1		2	
Males	2	1	5	1	1	1	2	2		1	1	1		19	13	7	5	6	16	" "	1	1	3			1	2	1	1		2	3			1		2	
Females	2	2	1	3	1	1	2					1		14	10	14	10	6	2	" "	1	2	4	1	2				1		2		1					
Total					1		3	1						6	3	3	1	4	3	Rheumatism, Sciatic				1				1			1	1	1				1	
Males					1		2							4	3			4	1	" "				1							1	1	1					
Females							1	1						2		3	1		2	" "								1									1	
Males																	1			Rheumatism, Spinal																		

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	....	....	Rheumatism, Spinal	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Rheumatism of Stomach	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	" " "	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	4	3	4	5	1	1	6	9	3	4	3	..	45	28	46	29	42	29	Rheumatism	....	....	6	1	1	2	1	..	4	2	4	6	4	3	6	3	2
Males	..	1	1	3	3	1	1	4	6	3	2	2	..	27	19	22	16	29	18	"	....	....	3	1	1	2	1	..	1	2	3	4	1	3	2	2	1
Females	2	3	2	1	2	..	..	2	3	..	2	1	..	18	9	24	13	14	11	"	....	....	3	..	..	..	..	..	3	..	1	2	3	..	4	1	1
Females	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	....	....	....	....	Rupture of Artery	....	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	....	....	....	1	Rupture of Blood Vessel	....	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	1	"Salt Rheum"	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	1	1	1	1	Scald Head	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	3	2	2	4	2	4	3	3	1	3	3	..	31	36	21	27	32	25	Scalding	26	1	..	..	1	2	1	..	..	..	..	..	..	..	..	..	..
Males	1	2	2	2	2	2	3	2	3	1	1	3	..	24	23	16	18	24	15	"	20	..	..	..	1	2	1	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	2	..	1	1	..	..	2	..	..	7	13	5	9	8	10	"	6	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	41	31	34	36	45	33	35	35	23	17	15	37	1	383	370	418	429	404	399	Scarlet Fever[a]	229	102	31	7	5	3	1	1	..	1	..	..	..	..	..	..	3
Males	22	16	23	15	16	17	15	16	10	6	6	23	1	186	197	225	217	203	193	" "	116	50	12	2	2	1	..	..	..	..	..	..	..	..	..	..	3
Females	18	15	11	21	29	16	20	19	13	11	9	14	..	196	172	193	212	200	206	" "	112	52	19	5	3	2	1	1	..	1	..	..	..	..	..	..	..
Unknown	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	....	....	1	....	" "	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	2	4	3	3	4	4	..	4	4	2	..	31	31	35	33	32	26	Scrofula	12	3	..	2	..	..	1	1	1	1	2	..	3	2	2	..	..	1
Males	..	..	2	1	2	1	1	1	..	3	1	1	..	13	20	14	15	15	15	"	4	2	..	..	..	..	1	1	..	..	2	..	1	1	1	..	..	..
Females	..	1	..	3	1	2	3	3	..	1	3	1	..	18	11	21	18	17	11	"	8	1	..	2	..	..	..	..	1	1	..	..	2	1	1	..	..	1
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	1	Scurvy	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females..	--	--	--	--	--	-	-	--	--	-	--	--	--	----	--	-	2	---	-	Scurvy		---	--	-		--	--	--	--	--		--		--			--
Males.....	--	--	--	--	--	2	-	-	--	-	--	--	--	2	1	.	--	---	2	"Self Abuse"		---	--	-		2	--	--	--	--		--		--			--
Females..	--	--	--	--	--	-	-	--	--	-	--	--	--	----	--	1	--	---	-	Senile Lunacy		---	--	-		--	--	--	--	--		--		--			--
Total.....	4	2	7	3	2	6	1	4	2	8	6	3	1	49	16	6	6	4	5	Septicæmia.	6	1	1	4	2	1	4	2	--	1		5		1	3	2	3
Males.....	3	2	5	1	1	1	-	2	1	5	4	1	--	26	11	3	2	1	1	"	5	---	1	3		1	1	1	--	--	3	3		1			2
Females..	1	--	2	2	1	5	1	2	1	3	2	2	1	23	5	3	4	3	4	"		1	--	1	8	--	3	1	--	1		2		--			1
Males.....	--	--	--	--	--	--	-	--	--	-	--	--	--	----	1	.	--	---	-	Shingles		- -	--	-		--	--	--	--	--		--		--			-
Females..	--	-	--	--	--	1	-	-	--	-	--	--	--	1	--	-	--	---	-	"		---	--	-		--	--	--	--	--	-	--		--			--
Total.....	1	--	--	--	--	--	-	-	--	-	1	--	--	2	--	-	1	---	-	Shock		---	--	-		--	--	--	--	--	-	--		1			--
Males.....	--	-	--	--	--	-	-	-	--	-	1	--	--	1	--	-	1	---	-	"		---	--	-		--	--	--	--	--	-	--		--			--
Females..	1	--	--	--	--	-	-	-	--	-	--	--	--	1	--	-	--	---	-	"		---	--	-		--	--	--	--	--	-	--		1			--
Females..	--	-	--	--	--	-	-	-	--	-	--	--	--	----	--	-	--	---	1	Sickness of Mother		---	--	-		--	--	--	--	--	-	--		--			--
Males.....	--	--	1	--	--	-	-	-	--	-	--	--	--	1	1	-	--	---	-	Skin Disease		---	--	-		--	--	--	--	--	-	--		--			--
Females...	--	-	--	--	--	-	-	-	--	-	--	--	--	----	1	-	--	---	-	" "		---	--	-		--	--	--	--	--	-	--		--			--
Total.....	--	-	2	4	7	5	3	1	--	2	33	25	--	82	3	6	6	102	76	Small-pox	23	10	8	5	5	7	4	8	--	3	3	--		4			--
Males.....	--	-	--	4	4	2	3	-	--	2	16	16	--	47	--	3	4	51	43	" "	10	4	4	3	4	5	3	8	--	1	1	--		3			.
Females...	--	-	2	--	3	3	-	1	--	-	17	8	--	34	3	3	2	51	33	" "	12	6	4			2	1	--	--	2	2	--		1	-		--
Unknown.	--	-	--	--	--	-	-	-	--	-	--	1	--	1		-	--		-	" "		---	--			--	--	--	--	--	-	--		--	-		--
Males.. ..	--	-	--	--	--	-	-	1	--	1	--	--	--	2		-	--		1	Snake Bite		1	--			--	--	--	--	--	-	--		--	-		--
Males.....	--	-	--	--	--	-	-	-	--	-	--	--	--	----		-	--		-	Spasm of Glottis		---	--			--	--	--	--	--	-	--		--	-		--
Males.....	--	-	--	--	--	-	-	-	--	-	--	--	--	----		-	--		1	Spider Bite		---	--			--	--	--	--	--	-	--		--	-		--
Females..	--	-	--	--	--	-	-	-	1	-	--	--	--	1		-	1		-	Spina Bifida		---	--			--	--	--	--	--	-	--		--	-		--
Females..	--	-	--	--	--	-	-	-	--	-	--	--	--	----		-	--		-	Spinal Irritation		---	--			--	--	--	--	--	-	--		--	-		--
Males.....	--	-	--	--	--	-	-	-	--	-	--	--	--	----		-	--		-	Spine, Concussion of		---	--			--	--	--	--	--	-	--		--	-		--
Males.....	--	-	--	-	--	-	-	-	--	-	--	--	--	----		1	-		-	Spine, Curvature of		---	--			--	--	--	--	--	-	--		--	-		--
Total.....	5	7	6	11	14	7	19	9	20	16	13	7	..	134	68	79	72		73	Spine Disease.....[b]	72	16	10	6	4	4	..	2	3	2	1	2	3	1	4		2

[a] Includes Scarlet Rash, 5. [b] Includes Potts's disease of the loins, 1.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																			
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	3	5	3	4	9	5	11	5	15	9	7	4	..	80	37	45	33	37	37	Spine Disease	43	6	7	5	2	3	..	1	2	2	1	1	1	1	2	1	1	1
Females	2	2	3	7	5	2	8	4	5	7	6	3	..	54	31	33	39	43	36	" "	29	10	3	1	2	1	..	1	1	..	..	1	2	..	2	..	..	1
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Spine, Dislocation of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	2	..	..	1	..	..	1	..	4	2	2	2	2	2	Spine, Inflam. of	1	..	..	..	..	1	1	..	..	..	..	..	1	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	1	..	..	1	..	3	1	1	2	..	..	" "	1	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1	1	..	2	2	" "	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	2	2	..	Spine, Injury of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	..	..	1	..	..	..	..	..	..	2	..	1	..	..	..	" " "	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Males	..	..	..	..	1	..	..	..	..	..	..	..	..	1	3	1	3	..	..	Spine, Paralysis of	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	1	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Spine, Ulceration of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Spleen, Disease of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	1	1	1	..	1	1	..	..	..	5	9	4	4	1	..	Spleen, Enlargement of	2	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	1	..	..	..	..	..	..	..	..	1	4	3	2	1	..	" " "	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	1	..	1	1	..	..	..	4	5	1	2	..	..	" " "	2	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Stabbing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	Starvation	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	44	55	46	41	54	69	53	64	57	55	58	93	2	691	738	749	793	720	646	Still-born	691	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	23	28	31	31	27	31	30	37	29	30	32	44	2	378	403	423	444	399	356	"	378	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females	18	22	15	10	22	32	17	23	25	24	21	1	..	270	301	298	307	290	258	Still-born	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	3	5	..	..	5	3	6	4	3		5	8	..	43	34	28	42	31	32	" "	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..		..	..	..	....	..	..	1	....	..	Sting of Bee	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..		..	..	..	....	..	..	....	1	..	Stomach, Contraction of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	2	1	1	..	2	3	2	5		..	2	..	20	15	22	22	20	20	Stomach Disease	7	1	..	..	..	1	..	2	..	..	1	2	2	3	..	1	..	..	..	..
Males	1	2	1	..	..	..	1	2	4		..	1	..	12	11	13	16	9	10	" "	3	..	..	..	..	1	..	2	..	..	1	1	1	2	..	1	..	..	..	..
Females	1	..	..	1	..	2	2	..	1		..	1	..	8	4	9	6	11	10	" "	4	1	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..		..	..	..	1	..	..	....	....	..	Stomach, Enlargement of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Total	1	2	5	3	5	3	4	4	7	4	3	3	..	44	30	32	30	20	22	Stomach, Inflam. of	8	3	..	3	3	2	3	3	1	2	3	2	2	3	3	2	..	1	..	..
Males	1	1	2	1	2	2	4	1	2	3	..	..	..	19	12	17	14	8	14	" " "	2	..	..	1	1	2	1	1	1	..	2	1	2	..	3	1	..	1	..	..
Females	..	1	3	2	3	1	..	3	5		3	3	..	25	18	15	16	12	8	" " "	6	3	..	2	2	..	2	2	..	2	1	1	..	3	..	1	..	..	..	..
Total	..	..	1	1	1	1	..	1	..		..	1	..	6	4	2	5	3	3	Stomach, Neuralgia of	....	..	..	..	..	..	1	..	1	2	1	..	1	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..		..	1	..	2	..	1	....	....	..	" " "	....	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
Females	..	..	..	1	1	1	..	1	..		..	..	..	4	4	1	5	3	3	" " "	....	..	..	..	..	..	..	1	..	1	1	..	..	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..		..	..	..	....	1	..	....	....	..	Stomach, Perforation of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..		..	..	..	....	..	..	....	1	..	Stomach, Strain of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	2	2	2	4	..		1	..	..	13	9	8	7	11	7	Stomach, Ulceration of	4	..	..	..	1	1	..	..	..	1	1	1	2	2	..	..	..	..	..
Males	..	..	1	..	2	..	..	1	..		..	..	..	5	5	5	4	9	5	" " "	1	..	..	..	1	..	..	..	..	1	1	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	2	2	3	..		1	..	..	8	4	3	3	2	2	" " "	3	..	..	..	..	1	..	..	..	..	..	1	2	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..		..	..	..	....	1	..	....	....	..	Stomatitis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..		..	..	..	....	..	..	....	....	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..		..	..	..	..	..	..	..		..	..	..	....	1	2	....	....	1	Stone in Bladder	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..		..	..	..	....	1	..	....	....	..	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	..	1	1	..	1		..	..	1	6	6	6	9	5	7	Strangulation	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	1	1	..	1		..	..	1	5	5	5	3	3	3	"	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..		..	..	..	1	1	1	6	2	4	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..		..	..	..	....	..	1	....	....	..	Stricture of Intestines	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Stricture of Intestines	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	1	....	....	....	Stricture of Œsophagus	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	....	1	....	Stricture of Urethra	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	1	....	....	....	Stricture	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Total	2	1	..	..	3	2	1	2	3	2	2	2	..	20	12	14	12	7	18	Suffocation	13	1	1	..	1	2	..	..	1	..	..	1	..	..	..	..	..	..
Males	1	..	..	..	1	1	1	1	1	1	1	2	..	10	9	9	5	5	14	"	6	1	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..
Females	1	1	..	..	2	1	..	1	2	1	1	..	..	10	3	5	7	2	3	"	7	..	..	..	1	1	..	..	..	..	..	1	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	5	3	3	4	4	7	9	7	4	6	4	..	57	65	59	63	66	54	Suicide	....	..	..	5	4	5	3	7	6	4	7	2	3	4	2	1	2	2
Males	..	4	3	2	2	4	4	5	6	2	6	4	..	42	50	46	40	46	43	"	....	..	..	1	2	1	3	7	4	3	6	2	2	4	2	1	2	2
Females	1	1	..	1	2	..	3	4	1	2	..	..	..	15	15	13	23	20	11	"	....	..	..	4	2	4	..	..	2	1	1	..	1	..	..	..	..	..
Total	..	..	..	..	1	..	6	7	4	..	..	..	..	18	13	9	25	11	17	Sun-stroke	1	..	1	1	..	1	1	1	2	..	..	4	2	1	..	..	2	1
Males	..	..	..	..	1	..	6	5	4	..	..	..	..	16	11	9	23	7	15	" "	....	..	1	1	..	1	1	1	2	..	..	3	2	1	..	..	2	1
Females	..	..	..	..	..	..	..	2	..	..	..	..	..	2	2	....	2	4	2	" "	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	1	Surgical Operation	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	2	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Swallowed a Penny when a Boy	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Syncope	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	..	..	1	....	....	....	....	....	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	1	..	..	..	1	..	..	..	..	..	3	13	10	2	7	6	Syphilis	1	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..

Males	--	--	--	1	--	--	--	1	--	--	--	--	--	2	6	6	----	5	3	Syphilis	----	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--
Females	1	--	--	--	--	--	--	--	--	--	--	--	--	1	7	4	2	1	2	"	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	1	1	"	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	----	--	Tape-worm	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	3	2	6	2	2	3	12	21	13	7	4	8	1	84	49	40	60	66	77	Teething	83	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	2	2	3	2	--	1	8	15	11	2	3	3	1	53	24	26	38	39	39	"	53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	1	--	3	--	2	2	4	6	2	5	1	5	--	31	25	14	22	27	38	"	30	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	1	----	----	----	Temporal Bone, Inflam. of	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	1	2	--	1	1	3	3	1	--	--	12	2	5	6	6	2	Tetanus (Lock-jaw)	2	3	1	1	--	--	--	1	--	2	2	--	--	--	--	--	--	--	--	-
Males	--	--	--	1	--	--	1	1	3	1	1	--	--	8	2	4	5	3	1	" " "	2	1	1	1	--	--	--	1	--	--	2	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	2	--	--	--	--	2	--	--	--	4	----	1	1	3	1	" " "	----	2	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	1	----	----	----	Tetanus	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	1	1	"	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	----	----	Tetter	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	2	2	3	--	1	2	4	--	--	14	16	27	12	10	21	Throat Disease	8	1	--	--	--	--	--	1	1	--	1	--	1	--	--	1	--	--	--
Males	--	--	--	--	1	--	1	--	--	1	3	--	--	6	11	13	4	7	13	" "	3	1	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
Females	--	--	--	--	1	2	2	--	1	1	1	--	--	8	5	14	8	3	8	" "	5	--	--	--	--	--	--	-	1	--	1	--	1	--	--	--	--	--	--
Males	1	--	--	--	--	--	--	--	--	1	--	--	--	2	----	----	5	1	3	Throat, Inflam. of	1	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	1	----	3	2	1	" " "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	1	--	1	--	--	--	--	--	--	--	--	2	1	1	1	1	----	Throat, Paral. of	----	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	1	5	2	1	7	Throat, Putrid Sore	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	2	2	----	1	3	" " "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	1	----	----	----	----	Thrombosis	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	3	--	2	2	2	4	--	--	--	13	5	6	3	7	5	Thrush	10	--	--	--	1	--	--	--	1	--	--	--	--	--	--	--	--	--	1
Males	--	--	--	--	--	--	1	--	1	2	--	--	--	4	1	1	1	2	3	"	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	3	--	1	2	1	2	--	--	--	9	4	5	2	5	2	"	6	--	--	--	1	--	--	--	1	--	--	--	--	--	--	--	--	--	1
Males	--	--	--	--	--	--	--	--	--	1	--	--	--	1	----	----	----	----	----	Tongue-tied	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1881.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	..	..	..	..	..	1	..	2	..	..	2	..	..	5	....	5	..	....	....	Tonsilitis	3	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	1	..	..	2	..	..	4	....	1	..	....	....	"	2	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	4	..	....	....	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	..	....	....	Trichiniasis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..	....	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Tubercles on Brain	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	1	..	..	..	1	..	..	2	2	....	..	....	....	" " "	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	....	..	....	....	Tubercles	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	..	....	1	Tumor in Abdomen	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	1	1	..	..	..	2	5	....	..	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..	....	1	Tumor under Arm	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	..	1	....	Tumor on Back	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..	....	2	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	..	....	....	Tumor of Bladder	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Total	..	1	..	1	..	..	2	1	..	1	..	1	..	7	....	2	1	1	....	Tumor in Bowels	....	..	..	..	1	..	..	..	1	..	..	3	1	..	1	..	..	..
Males	..	1	..	..	..	..	2	..	..	..	..	..	..	3	....	....	..	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	2	..	..	1	..	..	..
Females	..	..	..	1	..	..	..	1	..	1	..	1	..	4	....	2	1	1	....	" " "	....	..	..	..	1	..	..	..	1	..	..	1	1	..	..	..	..	..
Males	..	..	..	..	1	..	..	1	..	..	..	..	..	2	1	1	..	2	1	Tumor on Brain	....	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	..	....	....	Tumor of Breast	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	..	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Males																																										
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Males																																										
Females																																										
Total																																										

Tumor of Chest
" " "
Tumor of Face
Tumor, Fibrous
" "
Tumor of Head
" " "
Tumor of Heart
Tumor of Knee
Tumor on Leg
Tumor on Liver
Tumor on Left Lung
Tumor on Lungs
" " "
Tumor on Neck
" " "
" " "
Tumor, Operation for
" " "
Tumor on Shoulder
Tumor in Side
" " "
Tumor in Stomach
" " "
" " "
Tumor on Throat
" " "
Tumor (Unspecified)

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX	Months, 1881.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1881.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1881.	1880.	1879.	1878.	1877.	1876.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	1	..	...	1	1	1	...	...	2	...	2	...	..	8	11	7	9	11	2	Tumor (Unspecified)	....	..	..	..	..	1	..	2	1	1	..	1	1	..	1	..	..	..
Females	3	3	...	3	2	2	1	...	4	3	2	2	..	25	14	21	21	14	14	" "	2	..	..	..	..	2	..	7	2	1	4	1	1	3	1	1	..	..
Females	..	..	1	...	1	1	...	1	...	2	...	1	..	7	8	2	5	3	4	Turn of Life	....	..	..	..	..	..	..	..	2	4	1	..	..	..	..	..	..	..
Males	..	..	...	...	...	...	...	...	...	...	...	...	..	....	1	....	....	....	1	Tympanitis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	...	...	...	...	...	...	...	...	...	...	..	....	....	1	....	....	....	Ulcer on Back	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	...	...	...	...	...	...	...	...	...	...	..	1	1	....	....	....	....	Ulcer in Head	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	...	...	...	...	...	...	...	...	...	...	..	....	....	1	....	....	....	Ulcer on Leg	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	...	...	...	...	...	...	...	...	1	...	..	1	....	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Males	..	..	...	...	...	...	...	...	...	...	...	...	..	....	....	....	....	1	....	Ulcer on Neck	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	...	...	...	...	...	...	...	...	...	...	..	....	....	....	....	....	1	Ulcer on Penis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	...	...	...	...	...	...	...	...	...	...	..	....	....	....	....	1	....	Ulcer near Pylorus	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	...	...	...	...	...	...	...	...	...	...	..	....	1	....	....	....	....	Ulcer of Rectum	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	...	...	...	...	...	...	...	...	...	...	..	....	....	....	1	....	....	Ulcers on Side	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	...	...	...	...	...	...	...	...	...	...	..	....	1	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	...	...	...	...	...	...	...	...	...	...	..	....	....	1	....	....	....	Ulcer of Throat	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	...	1	1	...	...	1	...	2	1	..	7	7	4	5	5	8	Ulcers (Unspecified)	1	..	..	..	..	..	..	..	1	..	1	1	1	2	..	..	..	..
Males	..	..	...	...	...	1	...	...	1	...	1	1	..	4	5	2	4	4	7	" "	1	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..
Females	..	..	1	...	1	...	...	...	...	...	1	...	..	3	2	2	1	1	1	" "	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..	..	..	..
Total	95	94	119	124	126	117	142	182	199	164	122	136	12	1632	1444	1399	1306	1393	1233	Unknown	1103	48	24	25	34	33	37	24	18	15	18	28	33	26	38	25	21	82
Males	42	47	57	67	60	63	72	103	112	81	73	68	6	851	775	736	708	745	659	"	596	23	9	13	11	11	11	8	7	6	10	16	22	16	22	16	12	42
Females	53	46	60	57	65	52	67	79	87	83	49	68	6	772	662	658	595	636	558	"	499	25	15	12	23	22	26	16	11	9	8	12	11	10	16	9	9	39
Unknown	..	1	2	...	1	2	3	...	...	...	...	...	..	9	7	5	3	12	16	"	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1

Males					1									1		1				Uræmia																			1	
Females																		2		"																				
Males											1			1					1	Urinary Organs, Dis. of	1																			
Males																	1	1	1	Urine, Retention of																				
Females						1		1	1			1		4	2	1	1	2	1	Uterine Tumor				1					1	1		1							
Females															1				1	Uterus, Abscess of																				
Females							1							1	2	3	2	1		Uterus, Dis. of						1													
Females															1					Uterus, Fibrous Tumor of																				
Females					1		1	1		1				4	11	6	4	4	5	Uterus, Inflam. of					2	1				1								
Females																			1	Uterus, Rupture of																				
Females																		1	1	Uterus, Ulceration of																				
Males															1				2	Venereal Disease																				
Females															1				2	" " "																				
Males			1											1						Vomiting	1																			
Females																1		1		"																				
Males																1		1		White Swelling																				
Females															1			1		" "																				
Total	9	4	6	6	17	8	8	20	19	23	13	9		142	264	162	132	131	181	Whooping-cough	137	5																		
Males	4	2	4	4	8	6	5	9	14	8	3	3		70	119	77	64	61	89	" "	69	1																		
Females	5	2	2	2	9	2	3	11	5	15	10	6		72	145	85	68	70	92	" "	68	4																		
Females																1				Wind-pipe, obstruct'n in																				
Males			2											2						Winter Cholera	2																			
Total		1			2			1	1					5	4	7	11	5	6	Worms	5																			
Males		1			1			1						3		3	8	3	3	"	3																			
Females					1				1					2	4	4	3	2	3	"	2																			
Males				1										1	2				1	Wounds, Army												1								
Males			1							2				3		1	1	1	5	Wounds	1						1	1												
Females																2				"																				

a Includes Fever Sore, 3.

Exhibit R shows the specified causes of deaths returned and compiled as casualty.

EXHIBIT R.—*Deaths in Michigan in 1881, Compiled as Casualty.*

CASUALTY,—CAUSES AS RETURNED.	Number.	CASUALTY,—CAUSES AS RETURNED.	Number.
Total number tabulated as Casualty in Table XVII	325	Drinking lye	2
		Thrown from a horse	4
Killed in mine	28	Thrown from buggy	5
Run over by wagon	4	Injuries received in a quarrel	1
Killed by explosion of powder	12	Fell from lumber pile	1
Killed	6	Killed by a tree	2
Killed by a fall	13	Fright of mother by fire	1
Accidental explosion	2	Inflammation caused by fall	1
Nitro-glycerine explosion	2	Fell from barn	1
Killed by falling gravel	2	Fell from bridge	1
Fell from ladder	1	Killed by the falling of an elevator	1
Accidentally shot	15	Injury to one of his limbs	1
Toy pistol	2	Accident, wound by pitchfork	1
Killed by accident	80	Accident by runaway	7
Killed by rolling log	11	Killed by a straw-cutter	1
Kicked by a horse	9	Dislocation of shoulder	1
Caught in shaft of mill	1	Killed by a fall at State Capitol	1
Fell from mast of schooner	1	Accidental severing jugular vein	1
Accident in saw-mill	8	Fit, fell in fire and burned to death	1
Fall from building	2	Crushed under a stone	2
Killed in mill	6	Fell from wagon	4
Explosion of mill	1	Killed in well	2
Killed by engine	1	Thrown from mowing-machine	1
Fell in a vault	2	Injury of spine from fall	1
Fall of limb from tree	1	Jumping from cars	2
Accident, burned by gasoline	1	Injury by machinery	1
Fell and broke his back	1	Hooked by a cow	1
Killed by a horse	4	Falling down stairs	1
Killed by a mule	1	Struck by locomotive	1
Thrown from bridge	1	Hurt by a steer	1
Boiler explosion	12	Accidentally shot himself	2
Head crushed by timber	1	Fall from a load of stalks	1
Run over by cars	3	Bled to death from a cut on temple by falling against a window	1
Killed in woods	2	Fell and broke his neck	1
Injury	4	Fell from window	1
Injured by falling in well	1	Fell from scaffold	1
Killed in lumber woods	4	Internal injury from lifting	1

EHXIBIT R.—Continued.

CASUALTY,—CAUSES AS RETURNED.	Number.	CASUALTY,—CAUSES AS RETURNED.	Number.
Blow on the head	1	Crushed to death, R. R.	1
Hurt in the head years ago—brain injury	1	Fell in cold water	1
Fell out of swing and broke neck	1	River accident	1
Strain	1	Killed by a ball	1
Accidental fall from tree	2	Fell from oar dock	1
Accident in stave-mill	1	Falling on a nail	1
Injury of back	1	Killed in steamboat explosion	1
Accident, fell down stairs	1	Fell from a load of hay and killed	1
Killed, broke his neck	1	Hit with stone by boy with sling	1
Killed by block thrown from saw	2		

EXHIBIT 9.—*Certain facts concerning Persons Returned as having died by Suicide in Michigan during the Year 1881.*

Date of Death.		Age.	Condition.	Sex.	Color.	Occupation.	Nativity.	Means Used.
Month.	Day.							
January	6	28	M.	F.	W.	Hotel work	Unknown	Poison.
February	6	30	Unk.	M.	W.	Clerk	Unknown	Poison.
February	8	65	W.	M.	W.	Farmer	New York	Hanging.
February	14	35	M.	M.	W.	Physician	Michigan	Not given.
February	14	46	M.	M	W.	Miner	Ireland	Hanging.
February	26	28	S.	F.	W.	Student	Michigan	Drowning.
March	7	36	W.	M.	W.	Shingle Manf'r.	Canada	Shooting.
March	11	82	M.	M.	W.	Laborer	Germany	Not given.
March	26	52	Unk.	M.	W.	Notion store	Germany	Shooting.
April	12	18	S.	M.	W.	Laborer	Ohio	Not given.
April	22	26	M.	F.	W.	House-keeper	Michigan	Not given.
April	30	35	S.	M.	W.	Farmer	Denmark	Hanging.
May	7	47	M.	M.	W.	Tailor	Germany	Shooting.
May	22	16	S.	F.	W.	Houseworkers	Wisconsin	Poison.
May	27	62	M.	F.	W.	House-wife	Germany	Cut her throat.
May	Unk.	67	W.	M.	W.	Farmer	New York	Not given.
June	6	64	M.	M.	W.	Farmer	New York	Paris Green.
June	11	82	W.	M.	W.	Farmer	New York	Shooting.
June	12	23	S.	M.	W.	Farmer	Michigan	Not given.
June	27	74	W.	M.	W.	Farmer	Vermont	Not given.
July	1	22	M.	F.	W.	Unemployed	Michigan	Not given.
July	6	41	M.	M.	W.	Farmer	Pennsylvania	Not given.

EXHIBIT 9.—CONTINUED.—*Suicidal Deaths, 1881.*

Date of Death.		Age.	Condition.	Sex.	Color.	Occupation.	Nativity.	Means Used.
Month.	Day.							
July	9	41	M.	F.	W.	Farmer's wife	Michigan	Hanging.
July	20	33	S.	M.	W.	Logger	Germany	Strychnine.
July	23	69	M.	M.	W.	Laborer	Canada	Drowning.
July	23	44	M.	F.	W.	House-wife	New York	Not given.
July	31	61	M.	M.	W.	Merchant	Indiana	Not given.
August	2	20	S.	F.	W.	Servant	Michigan	Laudanum.
August	4	26	S.	M.	W.	Farmer	New York	Hanging.
August	5	48	W.	M.	W.	Mason	Michigan	Not given.
August	10	44	M.	M.	W.	Painter	Michigan	Not given.
August	12	54	W.	M.	W.	Grocer	Pennsylvania	Poison.
August	23	16	S.	F.	W.	Student	Germany	Poison.
August	23	53	M.	M.	W.	Farmer	Germany	Not given.
August	23	16	S.	F.	W.	Unknown	Massachusetts	Poison.
August	24	54	M.	F.	W.	House-wife	New York	Not given.
September	5	19	M.	F.	W.	House-wife	Michigan	Poison.
September	9	Unk.	M.	M.	W.	Laborer	Germany	Hanging.
September	9	59	S.	M.	W.	Unknown	New York	Not given.
September	15	69	M.	M.	W.	Unknown	Vermont	Shooting.
September	20	40	M.	M.	W.	Farmer	Germany	Not given.
September	20	Unk.	M.	M.	W.	Farmer	Unknown	Not given.
September	26	56	M.	M.	W.	Farmer	France	Shooting.
October	2	44	M.	M.	W.	Physician	Ohio	Not given.
October	7	29	W.	F.	W.	Farmer's wife	Michigan	Morphine.
October	28	36	M.	M.	W.	Laborer	New York	Not given.
October	30	49	M.	F.	W.	House-wife	Nova Scotia	Hanging.
November	1	23	Unk.	M.	W.	Soldier	Michigan	Poison.
November	5	35	M.	M.	W.	Farmer	New York	Drowning.
November	5	54	M.	M.	W.	Farmer	England	Not given.
November	8	50	M.	M.	W.	Physician	Ontario	Not given.
November	9	37	M.	M.	W.	Clerk	Michigan	Not given.
November	24	50	M.	M.	W.	Teamster	England	Not given.
December	3	70	W.	M.	W.	Farmer	Michigan	Not given.
December	15	79	M.	M.	W.	Farmer	New York	Hanging.
December	17	33	M.	M.	W.	Lawyer	Ireland	Not given.
December	25	37	M.	M.	W.	Farmer	Germany	Not given.

EXHIBIT 9.—CONTINUED.—*Suicidal Deaths, 1881.*

OCCUPATIONS.	No.	OCCUPATIONS.	No.	OCCUPATIONS.	No.
Clerks	2	Lawyer	1	Servant	1
Farmers' wives	2	Logger	1	Shingle manufacturer	1
Farmers	18	Mason	1	Soldier	1
Grocer	1	Merchant	1	Students	2
Hotel work	1	Miner	1	Tailor	1
Housekeeper	1	Notion store	1	Teamster	1
Housewives	5	Painter	1	Unemployed	1
Housework	1	Physicians	3	Unknown	3
Laborers	5				

NATIVITY.	No.	NATIVITY.	No.	NATIVITY.	No.
Canada	2	Ireland	2	Ontario	1
Denmark	1	Massachusetts	1	Pennsylvania	2
England	2	Michigan	14	Unknown	3
France	1	New York	11	Vermont	2
Germany	10	Nova Scotia	1	Wisconsin	1
Indiana	1	Ohio	2		

MEANS USED.	NUMBER.		MEANS USED.	NUMBER.		MEANS USED.	NUMBER.	
	Males.	Females.		Males.	Females.		Males.	Females.
Cut her throat	.....	1	Morphine	.....	1	Poison	3	5
Drowning	2	1	Not given	23	4	Shooting	6	.....
Hanging	7	1	Paris Green	1	.....	Strychnine	1	.....
Laudanum	.....	1						

The fifteen principal causes of death in 1881, according to the returns, are arranged in order in Table XVIII., enabling us to study their numerical relations. Exhibit T presents a similar classification for each of the years 1876–1881.

Although diseases of the lungs caused a greater number of deaths than diseases pertaining to any other organ of the body in 1881, when we consider consumption alone it is for the first time, second in the list of the fifteen principal causes of deaths. Diphtheria, in 1881, heads the list. The fact of the very great prevalence of diphtheria in 1881 explains the large excess of zymotic diseases of the year, as previously mentioned. In 1874, diphtheria numbered last in the list, and was not included in the list of the fifteen principal causes in 1875. In 1876 it was tenth in the order, being third in 1877, and second the succeeding three years 1878, 1879, and 1880.

TABLE XVIII.—*Order of Succession of Fifteen Principal Conditions and Causes of Death in Michigan in 1881, according to the Returns, Exhibiting for each Specified Condition and Cause, by Sex, the Number of Deaths, and the Per Cent. of Deaths from each Cause to Deaths from All Causes.*

Order.	Specified Causes and Conditions, 1881.	Number of Deaths.			Per Cent. from Each Cause to Deaths from All Causes.		
		Total.	Males.	Females.	Total.	Males.	Females.
1	Diphtheria	[a] 2,063	1,030	1,030	10.72	10.04	11.56
2	Consumption	1,954	905	1,049	10.16	8.82	11.77
3	Fever, Typhoid	884	491	393	4.60	4.78	4.41
4	Cholera Infantum	[b] 857	462	391	4.45	4.50	4.39
5	Pneumonia	[c] 805	467	337	4.18	4.55	3.78
6	Old Age	725	360	365	3.77	3.51	4.10
7	Still-born	[d] 691	378	270	3.59	3.68	3.03
8	Diarrhea	[e] 501	288	213	2.60	2.81	2.39
9	Heart Disease	451	256	195	2.34	2.49	2.19
10	Scarlet Fever	[f] 383	186	196	1.99	1.81	2.20
11	Apoplexy and Paralysis	369	214	155	1.92	2.09	1.74
12	Brain, Inflammation of	361	192	169	1.88	1.87	1.90
13	Bowels, Inflammation of	[g] 342	188	153	1.78	1.83	1.72
14	Convulsions and Fits	337	184	153	1.75	1.79	1.72
15	Casualty	325	297	28	1.69	2.89	.31
	Total	[h] 11,048	5,898	5,097	57.43	57.47	57.21
	All Causes	[i] 19,238	10,263	8,910	100.00	100.00	100.00

[a] Includes 3 unknown sex.
[b] Includes 1 unknown sex.
[c] Includes acute and chronic.
[g] Includes 1 unknown sex.
[i] Includes 65 unknown sex.
[e] Includes 4 unknown sex.
[d] Includes 43 unknown sex.
[f] Includes 1 unknown sex.
[h] Includes 53 unknown sex.

EXHIBIT T.—*Order of Succession of Fifteen Principal Causes of Death in Michigan for each of the Years 1876 to 1881, inclusive.*

Order.	1876.		1877.		1878.		1879.		1880.		1881.	
1	Consumption	1,590	Consumption	1,664	Consumption	1,641	Consumption	1,680	Consumption	1,829	Diphtheria	2,063
2	Still-born	646	Still-born	720	Diphtheria	887	Diphtheria	1,473	Diphtheria	1,542	Consumption	1,954
3	Pneumonia	627	Diphtheria	593	Still-born	793	Still-born	749	Pneumonia	812	Typhoid Fever	884
4	Old Age	483	Old Age	489	Old Age	579	Pneumonia	701	Still-born	738	Cholera Infantum.	857
5	Typhoid Fever	426	Pneumonia	465	Pneumonia	402	Old Age	608	Old Age	625	Pneumonia	805
6	Scarlet Fever	399	Typhoid Fever	446	Scarlet Fever	429	Scarlet Fever	418	Typhoid Fever	513	Old Age	725
7	Apoplexy and Paral.	337	Scarlet Fever	404	Heart Disease	332	Heart Disease	414	Cholera Infantum.	499	Still-born	691
8	Cholera Infantum.	331	Cholera Infantum.	370	Typhoid Fever	329	Typhoid Fever	397	Heart Disease	444	Diarrhea	501
9	Heart Disease	320	Heart Disease	367	Apoplexy and Paral.	328	Apoplexy and Paral.	358	Apoplexy and Paral.	389	Heart Disease	451
10	Diphtheria	311	Apoplexy and Paral.	329	Convulsions and Fits	288	Cholera Infantum	300	Scarlet Fever	370	Scarlet Fever	383
11	Diarrhea	304	Convulsions and Fits	298	Cancer	269	Convulsions and Fits	275	Convulsions and Fits	347	Apoplexy and Paral.	369
12	Brain, Infl. of	275	Brain, Infl. of	291	Dropsy	249	Cancer	272	Casualty	340	Brain, Infl. of	361
13	Convulsions and Fits	275	Cancer	265	Cholera Infantum.	243	Dropsy	260	Diarrhea	310	Bowels, Infl. of	342
14	Cancer	241	Diarrhea	265	Brain, Infl. of	225	Casualty	245	Brain, Infl. of	300	Convulsions and Fits	337
15	Bowels, Infl. of	239	Bowels, Infl. of	226	Bowels, Infl. of	214	Bowels, Infl. of	237	Cancer	284	Casualty	325

TABLE XIX.—*Deaths from Ten Specified Causes Returned as having occurred in Michigan, during the Year 1881, Exhibiting the Number of each Sex, Total Number in each Month, and at different Periods of Age.*

SEX, MONTHS, AND AGES.	Causes of Death,—1881.									
	Cancer.	Cephalitis.	Croup.[a]	Diarrhea.[b]	Diphtheria.	Dysentery.	Measles.	Scarlet Fever.	Typhoid Fever.	Whooping Cough.
Sex.										
Total	310	361	379	501	2,063	270	254	383	884	142
Males	112	192	228	283	1,030	140	118	186	491	70
Females	198	169	151	213	1,030	130	136	196	393	72
Unknown	.....	.....	.....	.....	3	.....	.....	1	.....	.....
Months.										
January	22	16	43	.....	149	3	6	41	20	9
February	16	21	43	4	98	2	15	31	15	4
March	25	29	30	12	112	2	17	34	23	6
April	26	28	25	11	133	.....	44	36	34	6
May	26	17	20	17	126	4	63	45	27	17
June	26	24	11	45	125	9	25	33	35	8
July	30	31	14	105	155	31	21	35	45	8
August	25	57	28	157	162	91	26	35	99	20
September	29	43	27	83	235	82	9	23	150	19
October	32	38	30	40	316	32	7	17	178	23
November	21	26	58	14	230	4	10	15	149	13
December	32	29	49	13	215	10	10	37	108	9
Unknown	.....	2	1	.....	7	.....	1	1	1	.....
Av. Month...[c]	26	30	32	42	171	23	21	32	74	12
Ages.										
Under 5	10	235	315	441	831	202	165	229	88	137
5 to 10	2	28	56	6	712	10	27	102	64	5
10 to 15	.....	15	4	3	337	2	16	31	73	.....
15 to 20	.....	12	1	1	103	1	12	7	150	.....
20 to 25	5	12	.....	2	30	1	10	5	133	.....
25 to 30	6	9	.....	2	11	1	7	3	101	.....
30 to 35	10	8	.....	2	8	2	5	1	53	.....
35 to 40	21	7	.....	1	3	1	4	1	37	.....
40 to 45	19	10	.....	3	3	3	4	.....	31	.....
45 to 50	39	7	.....	3	2	1	.....	1	26	.....
50 to 55	35	1	.....	1	5	4	1	.....	31	.....
55 to 60	41	1	.....	3	.....	4	1	.....	26	.....
60 to 65	37	2	.....	4	2	6	.....	.....	15	.....
65 to 70	27	2	.....	7	.....	10	.....	.....	17	.....
70 to 75	22	4	.....	7	1	4	1	.....	13	.....
75 to 80	15	1	.....	9	.....	9	.....	.....	7	.....
80 and over	20	2	.....	6	.....	7	.....	.....	7	.....
Unknown	1	5	3	.....	15	2	1	3	12	.....

[a] Includes 64 Membranous Croup. [b] Includes 21 Chronic. [c] Excluding unknown month.

TABLE XX.—*Per Cent. of Deaths returned as having occurred in Michigan during the Year ending December 31, 1881, from each of Ten Specified Causes to Deaths from All Causes; and Per Cent. of each Sex, of Deaths in each Month, and at different Periods of Life to Total Deaths from each Specified Cause.*

SEX, MONTHS, AND AGES.	CAUSES OF DEATH,—1881. PER CENT. OF TOTAL.									
	Cancer.	Cephalitis.	Croup.	Diarrhea.	Diphtheria.	Dysentery.	Measles.	Scarlet Fever.	Typhoid Fever.	Whooping Cough.
Per Ct. of All Causes	1.61	1.88	1.97	2.60	10.72	1.40	1.32	1.99	4.60	.74
SEX. Males	36.13	53.19	60.16	57.49	49.93	51.85	46.46	48.56	55.54	49.30
SEX. Females	63.87	46.81	39.84	42.51	49.93	48.15	53.54	51.18	44.46	50.70
SEX. Unknown	.....	.....	.....	.....	.15	.....	.....	.26	.....	.....
MONTHS. January	7.10	4.43	11.35	.....	7.22	1.11	2.36	10.70	2.26	6.34
MONTHS. February	5.16	5.82	11.35	.80	4.75	.74	5.91	8.09	1.70	2.82
MONTHS. March	8.06	8.03	7.92	2.40	5.43	.74	6.69	8.88	2.60	4.23
MONTHS. April	8.39	7.76	6.60	2.20	6.45	.....	17.32	9.40	3.85	4.23
MONTHS. May	8.39	4.71	5.28	3.39	6.11	1.48	24.80	11.75	3.05	11.97
MONTHS. June	8.39	6.65	2.30	8.98	6.06	3.33	9.84	8.61	3.96	5.63
MONTHS. July	9.68	8.59	3.69	20.96	7.51	11.48	8.27	9.14	5 09	5.63
MONTHS. August	8.06	15.79	7.39	31.34	7.85	33.71	10.24	9.14	11.20	14.08
MONTHS. September	9.35	11.91	7.12	16.57	11.39	30.37	3.54	6.01	16.97	13.38
MONTHS. October	10.32	10.53	7.92	7.98	15.32	11.85	2.76	4.44	20.14	16.20
MONTHS. November	6.77	7.20	15.30	2.79	11.15	1.48	3.94	3.92	16.85	9.15
MONTHS. December	10.32	8.03	12.93	2.59	10.42	3.71	3.94	9.66	12.22	6.34
MONTHS. Unknown	.....	.55	.26	.....	.34	.....	.39	.26	.11	.....
MONTHS. Av. Month[a]	8.33	8.31	8.31	8.33	8.29	8.33	8.27	8.31	8.33	8.33
AGES. Under 5	3.23	65.10	83.11	88 02	40.28	74.82	64.96	59.79	9.95	96.48
AGES. 5 to 10	.64	7.76	14.78	1.20	34.51	3.71	10.63	26.63	7.24	3.52
AGES. 10 to 15	.....	4.15	1.06	.60	16.34	.74	6.30	8.09	8.26	.....
AGES. 15 to 20	.....	3.32	.26	.20	4.99	.37	4.72	1.83	16.97	.....
AGES. 20 to 25	1.61	3.32	.....	.40	1.45	.37	3.94	1.32	15.05	.....
AGES. 25 to 30	1.94	2.49	.....	.40	.53	.37	2.76	.78	11.43	.....
AGES. 30 to 35	3.23	2.22	.....	.40	.39	.74	1.97	.26	5.99	.....
AGES. 35 to 40	6 77	1.94	.....	.20	.15	.37	1.58	.26	4.18	.....
AGES. 40 to 45	6.13	2.77	.....	.60	.15	1.11	1.58	.....	3.51	.....
AGES. 45 to 50	12.58	1.94	.....	.60	.10	.37	.....	.26	2.94	.....
AGES. 50 to 55	11.29	.28	.....	.20	.24	1.48	.39	.....	3.51	.....
AGES. 55 to 60	13.23	.28	.....	.60	.....	1.48	.39	.....	2.94	.....
AGES. 60 to 65	11.93	.55	.....	.80	.10	2.22	.....	.....	1.70	.....
AGES. 65 to 70	8.71	.55	.....	1.40	.....	3.71	.....	.....	1.92	.....
AGES. 70 to 75	7.10	1.11	.....	1.39	.05	1.48	.39	.....	1.47	.....
AGES. 75 to 80	4.84	.28	.....	1.79	.....	3.33	.....	.....	.79	.....
AGES. 80 and over	6.45	.55	.....	1.20	.....	2.59	.....	.....	.79	.....
AGES. Unknown	.32	1.38	.79	.....	.72	.74	.39	.78	1.38	.....

[a] Excluding deaths in unknown month.

Because of special interest attached to the study of them, ten particular causes of deaths are tabulated with reference to sex, months in which the deaths occurred, and to periods of age. Table XIX. shows the numbers in relation to these particulars; Table XX. the per cent. With the exception of cancer, measles, and whooping-cough, these diseases are especially studied in relation to meteorological conditions.

Cancer.—The total number of deaths from cancer returned in 1881, was 310. Of this number, 112 were males, and 198 were females. That greater mortality should be among females is due to sexual differences predisposing to this condition.

EXHIBIT S.—*Deaths from Cancer Returned as having occurred in Michigan during the Year 1881, indicating part of body affected.*

As Returned.	Total.	Males.	Females.	As Returned.	Total.	Males.	Females.
Aggregate	310	112	198	Cancer, Internal	2	1	1
Cancer of Stomach	79	46	33	Cancer of Bowels	6	1	5
Cancer (Unspecified)	143	43	100	Cancer on Hand	1	1	------
Cancer of Womb	17	------	17	Cancer on Chest	1	1	------
Cancer of Face	10	9	1	Cancer of Throat	2	------	2
Cancer of Liver	8	2	6	Cancerous Tumor	6	2	4
Cancer of Eye	3	2	1	Cancer of Tongue	1	1	------
Cancer on Breast	21	------	21	Cancer of Rectum	1	------	1
Cancer on Mouth	5	2	3	Cancer in Side	1	------	1
Cancer of Lungs	2	1	1	Cancer of Mammary Gland	1	------	1

EXHIBIT Z.—*Deaths in Michigan in 1881, Compiled as Unknown.*

Causes as Returned.	Males.	Females.	Unknown.	Causes as Returned.	Males.	Females.	Unknown.
Total number compiled Unknown in Table XVII	831	772	9	Found dead	4	------	------
				No particular disease	4	11	------
Chronic disease	4	------	------	Afflicted eyes	1	------	------
Congestion	12	6	------	Congenital	------	2	------
Female disease	------	4	------	Gall of the Stomach	------	1	------
Complication of diseases	2	4	------	Stricture of Bladder	1	------	------
Exhaustion	2	12	------	Unknown	820	731	9
Bilious	1	1	------				

Measles.—The per cent. of deaths from measles in 1881 among females was considerably greater than among males. The month in which there was the greatest per cent. of deaths from this disease was May, when nearly one-fourth of the deaths from this cause occurred. Nearly 65 per cent. of these deaths were among children under five years of age.

Whooping-cough.—The greatest number of deaths from whooping-cough occurred in October, August and September being next in order. The proportion of males and females was about equal. No deaths occurred from this cause among persons over ten years of age, 96.48 per cent. of the deaths being among children under five years of age.

METEOROLOGICAL CONDITIONS, AND THEIR RELATIONS TO DEATHS.

The study of meteorology in connection with the study of Vital Statistics has long been considered of great importance. The Registrar General, of England, instituted the important consideration of the meteorological conditions of England, as observed at Greenwich Observatory, in relation to deaths in England, as early as 1846.

For the State of Michigan, the observations made at Lansing were chosen to represent the meteorological characteristics of the State, and so far as the principal features are concerned, this has proved sufficient. Although the instumental records and calculations are not the same for each place, the monthly oscillations of the temperature, humidity, and of atmospheric pressure at Lansing are uniform with those at other stations.

EXHIBIT 10.—TEMPERATURE.—*Average by Years and by Months, for the Years 1872 to 1881, inclusive, at the Agricultural College, near Lansing, Michigan. (Results of Observations by Prof. R. C. Kedzie.)*

YEARS.	ANNUAL AVERAGE.	AVERAGE TEMPERATURE, STATED IN DEGREES FAHRENHEIT, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1872	45.54	21.59	21.34	24.75	47.39	58.48	71.82	74.91	71.22	62.03	47.44	29.80	15.74
1873	44.54	15.87	19.10	28.30	43.17	56.98	70.60	70.82	69.49	57.38	44.68	28.49	29.54
1874	47.32	27.70	25.51	32.30	36.87	59.58	70.61	72.02	69.39	62.85	49.10	35.00	26.96
1875	43.09	12.87	8.35	26.20	41.11	60.82	66.57	69.67	65.48	58.50	42.93	32.96	31.58
1876	46.17	30.22	27.38	30.55	44.16	57.95	68.14	72.48	71.55	56.30	43.74	36.33	15.23
1877	47.42	18.07	32.31	24.51	46.16	58.25	65.93	71.43	68.46	61.28	50.83	35.24	36.57
1878	48.29	29.11	28.07	40.90	50.55	54.57	64.08	73.04	70.15	63.15	48.33	36.29	21.29
1879	46.88	19.19	20.40	33.19	44.84	58.76	66.02	74.03	70.00	56.21	57.28	38.22	27.46
1880	47.28	37.10	29.19	35.50	45.87	64.30	67.60	68.04	68.58	55.83	46.23	27.52	22.07
1881	48.73	16.98	21.58	30.28	45.59	65.24	64.31	73.43	72.69	69.69	52.51	38.20	34.31
Av. for 10 Years*	46.53	22.87	23.32	30.65	44.57	59.49	67.57	71.99	69.70	60.32	48.31	33.81	26.08

* Average for 10 years ending with 1881.

The annual average temperature for 1881 was 2.20° higher than the average for ten years, and higher than that of any year included in the average. With the exception of the years 1873 and 1875, the temperature for January, 1881, was lower than in any of the other ten years and considerably lower than the average. On the other hand the temperature of December was much higher than the average for the month. The temperature for the months of May and September was very much higher than the average, and higher than for the same month in any of the ten years included in the average.

EXHIBIT 11.—ABSOLUTE HUMIDITY.—*Grains of Vapor in a Cubic Foot of Air, by Months, for the Years 1872 to 1881, inclusive, at the Agricultural College, near Lansing, Michigan.*

YEARS.	ANNUAL AVERAGE.	GRAINS OF VAPOR IN CUBIC FOOT OF AIR, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1872	3.70	1.31	1.23	1.32	2.99	4.29	6.78	7.33	7.15	5.57	3.40	1.89	1.13
1873	3.36	1.14	1.43	1.52	2.71	4.00	5.85	6.45	6.29	4.50	2.92	1.73	1.82
1874	3.36	1.58	1.55	2.00	2.08	3.77	6.07	6.00	5.75	4.72	3.15	2.06	1.55
1875	3.11	0.92	0.73	1.63	2.12	3.74	5.17	5.91	5.22	4.38	2.57	1.84	2.05
1876	3.40	1.88	1.57	1.78	2.26	3.03	5.95	6.76	6.31	4.43	2.56	2.26	1.09
1877	3.45	1.19	1.85	1.53	2.47	3.79	5.32	5.76	5.74	4.82	3.59	2.22	2.39
1878	3.69	1.82	1.91	2.80	3.51	3.68	5.05	6.83	6.06	5.18	3.38	2.44	1.62
1879	3.43	1.31	1.23	1.93	2.64	3.94	5.09	6.30	5.58	4.40	4.61	2.46	1.70
1880	3.71	2.22	1.92	1.97	3.02	5.02	6.03	6.20	6.32	4.98	3.31	1.93	1.59
1881	3.78	1.08	1.66	1.93	2.65	5.21	5.40	6.65	6.09	5.86	4.13	2.47	2.22
Av. for 10 y'rs.[a]	3.50	1.45	1.51	1.84	2.65	4.14	5.67	6.42	6.05	4.88	3.36	2.13	1.72

[a] Average for 10 years ending with 1881.

EXHIBIT 12.—PRESSURE OF THE ATMOSPHERE.—*Observations of Barometer reduced to freezing point, and corrected for instrumental error (+.12) previous to 1875, for each of the years 1872 to 1881, inclusive, and the Average for 10 years ending with 1881, at the Agricultural College, near Lansing, Michigan. (Based upon Observations by Prof. R. C. Kedzie.)*

YEARS.	ANNUAL AVERAGE.	PRESSURE OF THE ATMOSPHERE, STATED IN INCHES OF MERCURIAL COLUMN, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1872	29.007	28.958	28.962	29.031	28.972	28.988	28.999	29.044	29.087	29.010	29.099	29.001	29.112
1873	28.994	28.993	28.967	28.972	28.918	28.946	28.960	29.034	29.047	29.048	29.037	28.953	29.049
1874	29.055	29.168	29.048	29.015	29.061	28.984	28.998	29.027	29.044	29.066	29.073	29.057	29.121
1875	28.998	29.005	28.875	28.844	29.047	29.061	29.029	29.044	29.025	29.031	29.016	29.054	28.965
1876	29.010	29.073	29.063	28.929	29.000	29.009	28.911	29.009	29.048	28.995	28.929	28.953	29.208
1877	29.066	29.057	29.124	28.981	28.974	29.056	29.020	29.062	29.046	29.121	29.077	29.099	29.189
1878	29.053	29.099	29.026	29.027	28.875	29.013	29.030	29.085	29.010	29.157	29.080	29.081	29.147
1879	29.080	29.130	29.107	29.102	29.050	29.116	29.073	29.057	29.100	29.152	29.160	29.027	29.082
1880	29.096	26.993	29.077	29.181	28.984	29.061	29.065	29.068	29.126	29.093	29.130	29.215	29.155
1881	29.037	29.077	29.152	28.899	29.064	29.116	29.018	29.093	29.117	29.077	29.181	29.120	29.134
Av.[a]	29.045	29.036	29.040	28.998	28.995	29.035	29.010	29.052	29.065	29.075	29.078	29.056	29.109

[a] Average for 10 years ending with 1881.

The atmospheric pressure for the year 1881 was slightly greater than that of the average. The greatest monthly pressure occurred in October, the least in the month of March.

TABLE XXXII.—*By Months, some Meteorological conditions at Certain Localities in Michigan during the Year 1881.*

YEAR AND MONTHS, 1881.	ALPENA, MICH.				DETROIT, MICH.				GRAND HAVEN, MICH.				MARQUETTE, MICH.			
	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches.	Prevailing Winds.	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches.	Prevailing Winds.	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches.	Prevailing Winds.	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches.	Prevailing Winds.
YEAR, 1881	29.352	42.33	45.61	N. W.	29.325	51.40	44.81	W.	29.348	48.23	44.56	E.	29.282	41.00	42.90	N. W.
January	29.424	14.00	1.59	W.	29.415	17.70	2.37	S. W.	29.426	19.80	2.29	S. E.	29.346	10.10	1.69	W.
February	29.455	15.90	5.04	S. E.	29.412	26.50	7.66	E.	29.419	23.20	6.13	E.	29.399	14.30	2.80	N. W.
March	29.201	26.40	3.04	N. W.	29.120	31.20	2.88	W.	29.195	30.90	.46	N. W.	29.222	24.80	3.84	N. W.
April	29.328	34.30	.88	N. W.	29.278	44.90	2.35	N. W.	29.341	40.60	1.89	S. W.	29.292	35.20	.52	N. W.
May	29.383	54.00	4.94	S.	29.338	64.70	2.45	E.	29.350	62.40	1.19	N. E.	29.375	53.30	4.46	N. W.
June	29.300	56.30	3.23	N. W.	29.221	65.30	5.90	E.	29.269	63.00	3.37	N. E.	29.228	55.10	3.47	N. W.
July	29.325	68.10	2.09	N. W.	29.315	74.30	3.28	W.	29.346	71.10	4.78	W.	29.256	69.00	2.49	W.
August	29.384	66.40	3.02	S. E.	29.355	74.00	1.32	E.	29.366	71.00	1.91	S.	29.288	66.00	2 80	N.
September	29.319	62.40	6.16	S. E.	29.315	72.30	2.84	S.	29.292	67.44	6.71	S. E.	29.185	57.60	12.71	S. W.
October	29.425	46.00	10.25	W.	29.398	57.60	5.72	N. W.	29.410	52.50	7.87	E.	29.327	44.90	3.71	N. W.
November	29.316	33.80	3.09	W.	29.365	44.50	3.87	S.	29.359	39.90	4.19	W.	29.215	30.90	3.43	W.
December	29.339	30.30	2.28	S. W.	29.373	40.20	4.17	S.	29.398	36.90	3.77	S.	29.260	30.80	.98	N. W.
Average Month	29.352	42.33	3.80	.....	29.325	51.40	3.73	.....	29.348	48.23	3.71	.....	29.282	41.00	3.58	.....

EXHIBIT 13.—ALL CAUSES.—*Deaths Returned as having occurred in Michigan from All Causes during the Years 1871–1881; Per Cent. of Deaths to the Estimated Population*[a] *in each Year, and some coincident Meteorological conditions, at the Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the State.*

Years 1871-1881 in Order by Per Cent. of Reported Deaths from All Causes to Estimated Inhabitants, Year of Greatest Death-rate First.	Estimated Inhabitants.[a]	Deaths Reported.		Temperature,—Fahr.; Mean of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, etc.—Monthly Averag's.		Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per hour,—by Registering Anemometer.[c]	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
		Number.	Per Cent. of Deaths to Estimated Inhabitants.	Average Range. Daily.	Average Range. From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[b]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			Range of Barometer. Annual.	Range of Barometer. Average, Daily.	Average Pressure.
More than the Av. Death-rate. 1881	1,690,809	19,238	1.14	20.52	.....	d 48.73	79	3.78	4.00	4.66	9.6	34.660	.....	.....	29.087
1873	1,305,096	14,258	1.09	14.37	17.67	44.54	80	3.36	4.02	4.63	.....	31.745	1.307	.141	28.874
1872	1,263,514	13,371	1.06	15.31	18.14	45.54	83	3.70	2.82	4.24	.....	26.853	1.902	.123	28.887
1880	1,636,937	16,102	.98	13.54	16.39	d 47.28	75	3.71	4.05	3.63	9.4	43.890	1.648	.137	29.105
Average	1,423,964	13,385	.94	15.47	17.65	46.81	79	3.54	3.76	4.04	8.5	31.684	1.997	.147	28.988
Less than the Average Death-rate. 1874	1,348,047	12,500	.93	15.65	18.27	47.05	78	3.36	4.10	3.99	.....	22.939	2.069	.130	28.935
1870	1,184,282	10,766	.91	17.11	19.03	49.10	81	3.90	.....	.....	.....	37.757	1.366	.....	28.876
1879	1,584,956	14,407	.91	14.87	17.24	46.88	76	3.43	3.24	3.33	9.7	26.730	1.289	.125	29.080
1876	1,438,235	12,576	.87	13.60	16.33	d 46.17	81	3.40	3.68	4.11	.....	30.553	1.860	.138	29.010
1877	1,485,567	12,919	.87	15.12	17.53	47.42	80	3.45	3.66	3.33	.....	37.420	1.539	.109	29.066
1875	1,392,411	11,930	.86	15.34	17.55	d 43.09	79	3.11	4.53	5.04	.....	28.437	1.628	.306	29.003
1878	1,534,457	12,768	.83	13.63	16.05	48.29	79	3.69	3.50	3.42	5.1	31.990	1.276	.115	29.053
1871	1,223,257	9,728	.71	16.52	19.97	47.93	80	3.56	.....	.....	.....	27.210	6.079	.....	28.884

[a] Population estimated from Censuses of 1870 and 1880. [b] See foot-notes to Exhibit K, page 256. [c] From observations at the office of the State Board of Health. [d] Exceptions to the proposition that the temperature was *less* than the average in years in which the death-rate was *greater* than the average, and *vice versa*.

EXHIBIT 14.—ALL CAUSES.—*Deaths Returned as having occurred in Michigan from All Causes, by Months, during the Year 1881, and some coincident Meteorological conditions at the Office of the State Board of Health, at Lansing.*

Months in Order by Number of Reported Deaths from All Causes, Greatest First.	Deaths Reported from All Causes, 1881. Number. Total.	Males.	Females.	Unknown.	Per Cent. of Total. Total.	Males.	Females.	Unknown.	Temperature, Degrees,—Fahr. Av. Daily Range during Day and following Night by Registering Thermometers.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Humidity of Atmosphere, Etc.,—Monthly Averages. Relative Humidity, or Per Cent. of Saturation.	Weight in Grains, of Vapor in Cubic Foot of Air.[a]	Ozone,—Relative. Maximum=10. Day,—7 A. M. to 9 P. M.	Night,—9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere.—Inches of Mercury. (Reduced to 32° F.) Range of Barometer. Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1881.....[b]	19,172	10,223	8,884	65	100.00	100.00	100.00	100.00	19.84	49.59	70	3.54	4.00	4.66	9.6	35.28	1.402	.186	29.017
More than the Av. No. of Deaths. Sept.....	2,301	1,226	1,071	4	12.00	11.99	12.06	6.15	22.53	71.33	63	5.59	f 4.12	3.57	10.3	e 3.24	.654	.150	g 28.999
August....	2,246	1,198	1,038	10	11.72	11.72	11.68	15.38	24.48	74.63	62	5.80	f 4.45	3.53	7.0	2.05	.577	.106	29.063
October...	1,941	997	943	1	10.12	9.75	10.61	1.54	19.84	53.63	75	3.94	2.77	3.52	8.7	e 5.60	.828	.206	29.089
Dec.....	1,748	927	811	10	9.12	9.07	9.13	15.38	c 12.55	d 35.28	75	2.10	3.39	3.77	11.2	1.76	.947	.215	29.056
July.....	1,701	921	771	9	8.87	9.01	8.68	13.85	23.32	75.41	62	6.08	f 4.45	4.10	8.1	1.63	.527	.089	29.035
Nov.....	1,617	895	717	5	8.43	8.75	8.07	7.69	c 15.57	d 38.78	74	2.37	3.87	f 5.30	14.6	e 4.39	1.069	.279	29.037
Average	1,598	852	740	5	8.33	8.33	8.33	8.33	19.84	49.59	70	3.51	4.00	4.66	9.6	2.94	.843	.186	29.017
Less than the Av. No. of Deaths. May.....	1,457	737	714	6	7.60	7.21	8.04	9.23	c 24.10	d 66.94	61	4.84	f 3.94	f 4.26	8.4	2.97	.707	.116	g 29.033
April.....	1,427	803	624	....	7.44	7.85	7.02	.....	c 21.33	43.23	64	2.49	4.50	6.07	9.8	e 1.65	.717	.149	28.978
March.....	1,315	732	580	3	6.86	7.16	6.53	4.62	14.68	30.59	78	1.76	4.52	6.00	10.4	e 2.14	1.017	.214	28.821
June	1,276	673	598	5	6.66	6.58	6.73	7.69	c 21.43	d 65.99	67	5.07	f 3.73	4.80	8.4	3.63	.541	.154	28.940
Feb.....	1,078	562	509	7	5.62	5.50	5.73	10.77	19.61	22.27	80	1.40	f 3.75	5.54	11.0	3.92	1.326	.302	g 29.071
Jan.....	1,065	552	508	5	5.56	5.40	5.72	7.69	18.65	16.98	81	1.08	4.52	5.45	7 3	e 2.27	1.202	.248	g 29.077

[a] See foot-notes to Exhibit K, page 256. [b] Excluding Deaths in unknown month. [c] Exceptions to the proposition that the Average Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [d] Exceptions to the proposition that the Average Daily Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [e] Exceptions to the proposition that the Rain-fall was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [f] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [g] Exceptions to the proposition that the Atmospheric Pressure, as indicated by the Barometer, was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Croup.—During the year 378 deaths were returned as having occurred from croup. Of this number the largest proportion occurred in the months of November, December, January, and February. Exhibit K shows the relation of certain meteorological data to deaths from croup, and is constructed with regard to propositions given in the foot-notes. This exhibit resembles, in its construction and relations, that of several succeeding exhibits.

EXHIBIT K.—CROUP.—*Deaths Returned as having occurred in Michigan from Croup, by Months, during the Year 1881, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Croup, Greatest First.		Deaths from Croup, 1881.		Temperature,—Degrees F.		Humidity of Atmosphere, etc.,—Monthly Averages.				Ozone,—Relative. Maximum=10.				
		Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Registering Therm'r. Observed at 7 A. M.	Average of Daily Observations, at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor inhaled by one person in 24 hours.[b]	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled.[c]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain-fall, in Inches.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahrenheit.)
Year, 1881		378	100.00	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	35.28	29.017
More than Av. No. of Deaths.	November	58	15.34	15.57	38.78	74	2.37	1.48	10.20	3.87	5.30	14.6	4.39	29.037
	December	49	12.96	12.55	35.28	75	2.10	1.31	10.37	3.39	3.77	11.2	1.76	29.054
	January	43	11.38	18.65	16.98	81	1.08	.68	11.00	4.52	5.45	7.3	2.27	29.077
	February	43	11.38	19.61	22.27	80	1.40	.88	10.80	3.75	5.54	11.0	3.92	29.071
Average		32	8.33	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	2.94	29.017
Less than the Average No. of Deaths.	March	30	7.94	[e] 14.68	[e] 30.59	78	1.76	[f] 1.10	10.58	4.52	6.00	10.4	2.14	28.821
	October	30	7.94	19.84	53.63	75	3.94	2.46	9.22	2.77	3.52	8.7	5.60	29.089
	August	28	7.41	24.48	74.63	62	5.80	3.63	8.05	4.45	3.53	7.0	2.05	29.063
	September	27	7.14	22.53	71.33	65	5.59	3.49	8.19	4.12	3.57	10.3	3.24	28.999
	April	25	6.61	21.33	[e] 43.23	64	2.49	[f] 1.56	10.12	4.50	6.07	9.8	1.65	28.978
	May	20	5.29	24.10	66.94	61	4.84	3.03	8.65	3.94	4.26	8.4	2.97	29.038
	July	14	3.70	23.32	75.41	62	6.08	3.80	7.88	4.45	4.10	8.1	1.63	29.035
	June	11	2.91	21.43	65.99	67	5.07	3.17	8.51	3.73	4.80	8.4	3.66	28.940

[a] Calculated from readings of Dry Bulb and Wet Bulb Thermometers.
[b] Calculated for 18 respirations per minute, of 20 cubic inches of air each.
[c] Assuming the air exhaled to be saturated with vapor at the temperature of 98° F., each cubic foot containing 18.69 grains, 18 respirations per minute, of 20 cubic inches of air each, making 11.68 Troy ounces of vapor exhaled daily. No correction made for expansion of air after being inhaled.
[d] Includes 64 deaths from Membranous Croup, and excludes 1 death in unknown month.
[e] Exceptions to the proposition that *more* than an average number of deaths from croup occurred in months when the temperature was *less* than the average, and *vice versa*.
[f] Exceptions to the proposition that *more* than an average number of deaths from croup occurred in months in which there was *less* than the average quantity of vapor inhaled, and *vice versa*.

Croup and Diphtheria.—These two diseases are thus grouped together, as well as exhibited separately, for their more thorough study, and because they are considered by many to have pathological features that are identical.

Exhibit L shows the order of monthly mortality to be different than with reference to croup alone, the greatest number of deaths occurring in October, November, December, and September.

EXHIBIT L.—CROUP AND DIPHTHERIA.—*Deaths Returned as having occurred in Michigan from Croup and Diphtheria, by Months, during the year 1881, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Croup and Diphtheria, Greatest First.	Deaths from Croup and Diphtheria, 1881.		Temperature, Degrees,—Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
	Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Reg. Therm'trs. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1881	[b] 2,370	100.00	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	29.017
More than the Average No. of Deaths. Oct.	337	14.22	19.84	[c] 53.63	75	3.94	[d] 2.46	9.22	2.77	3.52	8.7	29.089
Nov.	276	11.65	15.57	38.78	74	2.37	1.48	10.20	3.87	5.30	14.6	29.037
Dec.	259	10.93	12.55	35.28	75	2.10	1.31	10.37	3.39	3.77	11.2	29.056
Sept.	257	10.84	22.53	[c] 71.33	65	5.59	[d] 3.49	8.19	4.12	3.57	10.3	28.999
Average	198	8.33	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	29.017
Less than the Average No. of Deaths. Aug.	190	8.02	24.48	74.63	62	5.80	3.63	8.05	4.45	3.53	7.0	29.063
Jan.	183	7.72	18.65	[c] 16.98	81	1.08	[d] .68	11.00	4.52	5.45	7.3	29.077
July	169	7.13	23.32	75.41	62	6.08	3.80	7.88	4.45	4.10	8.1	29.035
April	151	6.37	21.33	[c] 43.23	64	2.49	[d] 1.56	10.12	4.50	6.07	9.8	28.978
May	142	5.99	24.10	66.94	61	4.84	3.03	8.65	3.94	4.26	8.4	29.038
March	138	5.82	14.68	[c] 30.59	78	1.76	[d] 1.10	10.58	4.52	6.00	10.4	28.821
Feb.	134	5.65	19.61	[c] 22.27	80	1.40	[d] .88	10.80	3.75	5.54	11.0	29.071
June	134	5.65	21.43	65.99	67	5.07	3.17	8.51	3.73	4.80	8.4	28.940

[a] See foot-notes to Exhibit K, page 256.
[b] Excluding 8 deaths in unknown Month.
[c] Exceptions to the proposition that *more* than an average number of deaths from Croup and Diphtheria occurred in months in which the Mean Temperature was *less* than the average, and *vice versa*.
[d] Exceptions to the proposition that *more* than an average number of deaths from Croup and Diphtheria occurred in months in which there was *less* than the average quantity of vapor inhaled, and *vice versa*.

EXHIBIT M.—DIPHTHERIA.—*Deaths Returned as having occurred in Michigan from Diphtheria, by Months, during the Year 1881, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Diphtheria, Greatest First.		Deaths from Diphtheria, 1881.		Temperature, Degrees,—Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum =10.			
		Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Reg. Thermometers. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight in Grains of Vapor in Cubic Foot of Air.	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahrenheit.)
Year, 1881		[b] 2,056	100.00	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	29.017
More than Av. No. of Deaths.	October	316	15.37	19.84	[c] 53.63	75	3.94	[d] 2.46	9.22	2.77	3.52	8.7	29.089
	September	235	11.43	22.53	[c] 71.33	65	5.59	[d] 3.49	8.19	4.12	3.57	10.3	28.999
	November	230	11.18	15.57	38.78	74	2.37	1.48	10.20	3.87	5.30	14.6	29.037
	December	215	10.46	12.55	35.28	75	2.10	1.31	10.37	3.39	3.77	11.2	29.056
Average		171	8.33	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	29.017
Less than the Average Number of Deaths.	August	162	7.88	24.48	74.63	62	5.80	3.63	8.05	4.45	3.53	7.0	29.063
	July	155	7.54	23.32	75.41	62	6.08	3.80	7.88	4.45	4.10	8.1	29.035
	January	149	7.25	18.65	[c] 16.98	81	1.08	[d] .68	11.00	4.52	5.45	7.3	29.077
	April	133	6.47	21.33	[c] 43.23	64	2.49	[d] 1.56	10.12	4.50	6.07	9.8	28.978
	May	126	6.13	24.10	66.94	61	4.84	3.03	8.65	3.94	4.26	8.4	29.038
	June	125	6.08	21.43	65.99	67	5.07	3.17	8.51	3.73	4.80	8.4	28.940
	March	112	5.45	14.68	[c] 30.59	78	1.76	[d] 1.10	10.58	4.52	6.00	10.4	28.821
	February	98	4.76	19.61	[c] 22.27	80	1.40	[d] .88	10.80	3.75	5.54	11.0	29.071

[a] See foot-notes to Exhibit K, page 256.
[b] Excluding 7 in unknown month.
[c] Exceptions to the proposition that *more* than an average number of deaths from Diphtheria occurred in months when the mean temperature was *less* than the average, and *vice versa*.
[d] Exceptions to the proposition that *more* than an average number of deaths from Diphtheria occurred in months when *less* than the average quantity of vapor was inhaled, and *vice versa*.

Diphtheria.—The great prevalence of diphtheria in 1881 has been previously spoken of. The number of deaths per month was greater than the average in the months of October, September November, and December. The number of deaths from diphtheria occurring in January, February and March, when the temperature was comparatively low, compared with the number of deaths occurring in October and September, when the temperature was so much above the average, does not altogether support a prevailing idea that the disease is a cold weather disease.

Deaths from Diphtheria, by Counties, for each of the Years 1876-1881.

STATE AND COUNTIES.	1881.	1880.	1879.	1878.	1877.	1876.
STATE	2,063	1,542	1,473	887	593	311
Alcona	3	3	3	3	.....	.....
Allegan	36	11	20	29	1	4
Alpena	3	.....	.....	.....	.....	.....
Antrim	9	3	11	10	10	.....
Baraga	.....	.....	.....	.....	.....	.....
Barry	62	12	8	17	19	15
Bay	112	40	41	16	12	13
Benzie	1	2	4	.....	.....	.....
Berrien	7	31	70	27	6	5
Branch	4	10	33	16	21	25
Calhoun	13	8	40	10	36	15
Cass	.....	9	47	47	4	6
Charlevoix	1	.....	1	.....	1	.....
Cheboygan	10	3	1	20	8	.....
Chippewa	.....	2	.....	.....	.....	.....
Clare	13	42	2	.....	.....	.....
Clinton	49	19	15	52	2	5
Crawford	5	.....	1	.....	.....	.....
Delta	10	6	.....	.....	1	1
Eaton	36	18	30	47	12	23
Emmet	10	1	3	.....	.....	.....
Genesee	56	38	17	17	29	3
Gladwin	.....	.....	7	.....	.....	.....
Grand Traverse	18	6	2	6	25	1
Gratiot	23	31	31	18	21	1
Hillsdale	29	14	32	19	10	12
Houghton	3	.....	.....	1	.....	.....
Huron	15	7	8	10	4	.....
Ingham	29	14	56	9	2	3
Ionia	42	11	16	14	9	2

Deaths from Diphtheria.—Continued.

COUNTIES.	1881.	1880.	1879.	1878.	1877.	1876.
Iosco	57	1	4	2	1	6
Isabella	41	56	23	1		
Isle Royal						
Jackson	26	5	26	84	58	5
Kalamazoo	77	13	22	17	20	13
Kalkaska	7	1	1			
Kent	180	194	171	64	74	18
Keweenaw	4					
Lake	14	3	2			
Lapeer	19	6	42	7	11	
Leelanaw	10	13				
Lenawee	12	17	10	12	25	9
Livingston	17	19	22	5	2	
Mackinac				1		
Macomb	25	8	19	17	3	2
Manistee	4	2	4	1		
Manitou						
Marquette	19	7	5	10		2
Mason	83	31	14		1	
Mecosta	134	60	18	2	1	
Menominee	1	1				
Midland	10	28	5	8	2	
Missaukee	1			1		
Monroe	12	20	14	17	8	5
Montcalm	69	80	11	6	8	
Montmorency						
Muskegon	47	43	37		2	2
Newaygo	41	60	8	5	3	1
Oakland	13	7	21	20	15	5
Oceana	27	13	13	1		1
Ogemaw						2
Ontonagon	1					
Osceola	9	60	23			
Oscoda	2					
Otsego	2	1	2	2		
Ottawa	33	15	44	3	6	
Presque Isle	3					
Roscommon		2	2			
Saginaw	103	148	157	52	19	13
Sanilac	23	3	10	12	17	6

Deaths from Diphtheria.—Continued.

COUNTIES.	1881.	1880.	1879.	1878.	1877.	1876.
Schoolcraft	.....	.....	.....	.....	.....	.....
Shiawassee	12	13	8	11	1	1
St. Clair	39	43	7	21	13	15
St. Joseph	12	13	28	13	5	5
Tuscola	93	41	46	5	5	4
Van Buren	29	4	11	7	4	2
Washtenaw	16	9	10	4	1	2
Wayne	136	137	128	67	55	58
Wexford	9	24	6	20	.....	.....
No. of Counties	68	62	61	52	46	38

EXHIBIT V.—CEREBRO-SPINAL MENINGITIS, ETC.—*The Total Number of Deaths from Cerebro-spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, Returned as having occurred in Michigan during the Year 1881, by Months, and by Sex.*

CAUSES OF DEATH.	SEX.	YEAR, 1881.	MONTHS, 1881.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Total	Total	330	13	20	24	39	42	24	30	42	26	30	21	19
	Males	191	6	10	12	27	25	15	20	25	19	12	12	5
	Fema's	139	7	10	12	12	17	9	10	17	7	18	9	11
Cerebro-spinal Meningitis	Total	41	2	6	3	4	5	1	6	5	1	2	3	3
	Males	28	.....	4	3	3	3	1	5	2	1	1	3	2
	Fema's	13	2	2	.....	1	2	.....	1	3	.....	1	.....	1
Spotted Fever	Total	9	1	.....	.....	2	.....	1	.....	3	.....	1	.....	1
	Males	5	.....	.....	.....	2	.....	.....	.....	2	.....	.....	.....	1
	Fema's	4	1	.....	.....	.....	.....	1	.....	1	.....	1	.....	.....
Spinal Meningitis	Total	123	4	7	9	19	17	10	7	16	8	13	7	6
	Males	76	3	2	6	14	11	9	4	10	7	4	4	2
	Fema's	47	1	5	3	5	6	1	3	6	1	9	3	4
Meningitis	Total	21	1	3	1	3	1	1	4	1	4	.....	1	1
	Males	10	1	1	.....	2	1	.....	1	1	2	.....	.....	1
	Fema's	11	.....	2	1	1	.....	1	3	.....	2	.....	1	.....
Spinal Fever	Total	136	5	4	11	11	19	11	13	17	13	14	10	8
	Males	72	2	3	3	6	10	5	10	10	9	7	5	2
	Fema's	64	3	1	8	5	9	6	3	7	4	7	5	6

Cerebro-spinal Meningitis.—The number of deaths from this and allied causes, returned in 1881, was 330, the greatest fatality being in the months of May and August, and the least in January. Of the cause distinctly denominated as cerebro-spinal meningitis, there were 41 deaths; of spinal meningitis, there were 123; of spinal fever, 136; of meningitis, 21; and of spotted fever, 9. Some meteorological conditions in connection with this disease may be studied in Exhibit 15.

EXHIBIT 15.—CEREBRO-SPINAL MENINGITIS, ETC.—*Deaths Returned as having occurred in Michigan from Cerebro-spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, by Months, during the Year 1881, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths, from Cerebro-spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, Greatest First.		Deaths from Cerebro-Spinal Meningitis, Etc., 1881.		Temperature, Degrees,—Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.		Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
		Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Reg. Ther. Obs. at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			Range of Barometer. Monthly, and Year.	Range of Barometer. Average, Daily.	Average Pressure.
Year, 1881...		330	100.00	19.84	49.59	70	3.54	4.00	4.66	9.6	35.28	1.402	.186	29.017
More than the Av. No. of Deaths.	May...	42	12.73	24.10	66.94	61	4.84	3.94	4.26	8.4	2.97	.707	.116	g 29.038
	Aug...	42	12.73	24.48	74.63	62	5.80	f 4.45	3.53	7.0	2.05	.577	.106	g 29.063
	April..	39	11.82	21.33	c 43.23	64	e 2.49	f 4.50	f 6.07	9.8	1.65	.717	.149	28.978
	July...	30	9.09	23.32	75.41	62	6.08	f 4.45	4.10	8.1	1.63	.527	.089	g 29.035
	Oct....	30	9.09	19.84	53.63	d 75	3.94	2.77	3.52	8.7	5.60	.828	.206	g 29.089
Average		28	8.33	19.84	49.59	70	3.54	4.00	4.66	9.6	2.94	.843	.186	29.017
Less than the Av. No. of Deaths.	Sept...	26	7.88	b 22.53	c 71.33	d 65	e 5.59	4.12	f 3.57	10.3	3.24	.654	.150	g 28.999
	March.	24	7.27	14.68	30.59	78	1.76	4.52	6.00	10.4	2.14	1.017	.214	g 28.821
	June..	24	7.27	b 21.43	c 65.99	d 67	e 5.07	f 3.73	4.80	8.4	3.66	.541	.154	g 28.940
	Nov....	21	6.36	15.57	38.78	74	2.37	f 3.87	5.30	14.6	4.39	1.069	.279	29.037
	Feb....	20	6.06	19.61	22.27	80	1.40	f 3.75	5.54	11.0	3.92	1.326	.302	29.071
	Dec....	19	5.76	12.55	35.28	75	2.10	f 3.39	f 3.77	11.2	1.76	.947	.215	29.056
	Jan....	13	3.94	18.65	16.98	81	1.08	4.52	5.45	7.3	2.27	1.202	.248	29.077

[a] See foot-notes to Exhibit K, page 256.

[b] Exceptions to the proposition that the Average Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[c] Exceptions to the proposition that the Average Temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[d] Exceptions to the proposition that the Relative Humidity was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[e] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[f] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[g] Exceptions to the proposition that the Atmospheric Pressure indicated by the barometer, was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Cephalitis.—There were 359 deaths in Michigan in 1881 from cephalitis. The greatest proportion of this number occurred in the month of August, and it is not improbable that a considerable number were due to complete or partial sunstroke in the preceding month. It will be seen that only a very small number of deaths from this cause occurred in the cold months.

EXHIBIT 22.—CEPHALITIS.—*Deaths Returned as having occurred in Michigan, from Cephalitis, by Months, during the Year 1881, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Cephalitis, Greatest First.	Deaths from Cephalitis, 1881.		Temperature,—Degrees Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain-fall, in Inches.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
	Number.	Per Cent. of Total.	Average Daily Range during Day and following Night, by Reg. Thermometers.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			
Year, 1881	*359	100.00	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	35.28	29.017
More than Av. No. of Deaths. — August	57	15.88	24.48	74.63	62	5.80	2.63	8.05	[f] 4.45	3.53	7.0	2.05	29.063
September	43	11.98	22.53	71.33	65	5.59	3.49	8.19	[f] 4.12	3.57	10.3	3.24	28.999
October	38	10.58	19.84	53.63	[d] 75	3.94	2.15	9.22	2.77	3.52	8.7	5.60	29.069
July	31	8.63	23.32	75.41	62	6.08	3.80	7.88	[f] 4.45	4.10	8.1	1.63	29.035
Average	30	8.33	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	2.94	29.017
Less than the Av. Number of Deaths. — March	29	8.08	14.68	30.59	78	1.76	1.10	10.58	4.52	6.00	10.4	2.14	28.821
December	29	8.08	12.55	35.28	75	2.10	1.31	10.37	[f] 3.39	[f] 3.77	11.2	1.76	29.056
April	28	7.80	[b] 21.33	43.23	[d] 64	2.49	1.56	10.12	4.50	6.07	9.8	1.65	28.978
November	26	7.24	15.57	38.78	74	2.37	1.48	10.20	[f] 3.87	5.30	14.6	4.39	29.037
June	24	6.69	[b] 21.43	[c] 65.99	[d] 67	[e] 5.07	3.17	8.51	[f] 3.73	4.80	8.4	3.66	28.940
February	21	5.85	19.61	22.27	80	1.40	.88	10.80	[f] 3.75	5.54	11.0	3.92	29.071
May	17	4.73	[b] 24.10	[c] 66.94	[d] 61	[e] 4.84	3.03	8.65	[f] 3.94	4.26	8.4	2.97	29.038
January	16	4.46	18.65	16.98	81	1.03	.68	11.00	4.52	5.45	7.3	2.27	29.077

* Excluding 2 deaths in unknown month.

[a] See foot-notes to Exhibit K, page 256.

[b] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[c] Exceptions to the proposition that the Daily Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[d] Exceptions to the proposition that the Relative Humidity was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[e] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[f] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Congestive Chills.—Eighty deaths were returned as having occurred from this cause in 1881, August and September being the months of greatest mortality. Very few deaths from this cause occurred in the colder months.

EXHIBIT U.—CONGESTIVE CHILLS.—*Deaths Returned as having occurred in Michigan from Congestive Chills, by Months, during the Year 1881, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Congestive Chills, Greatest First.	Deaths from Congestive Chills, 1881.		Temperature, Degrees,—Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
													Range of Barometer.		
	Number.	Per Cent. of Total.	Average Daily Range during Day and following Night, by Registering Therm'ter. Observed at 7 A.M.	Average of Daily Observations at 7 A.M., 2 P.M., and 9 P.M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A.M. to 2 P.M.	Night,—9 P.M. to 7 A.M.			Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1881.	*80	100.00	19.84	49.59	70	3.34	2.21	9.47	4.00	4.66	9.6	35.28	1.402	.186	29.017
More than the Av. No. of Deaths. Aug.	13	16.25	24.48	74.63	62	5.80	3.63	8.05	[e] 4.45	3.53	7.0	2.05	[f] .577	[g] .106	29.063
Sept.	11	13.75	22.53	71.33	65	5.59	3.49	8.19	[e] 4.12	3.57	10.3	3.24	[f] .634	[g] .150	[h] 28.999
Oct.	9	11.25	19.84	53.63	75	3.94	2.46	9.22	2.77	3.52	8.7	5.60	[f] .828	.206	29.089
Mar.	7	8.75	[b] 14.68	[c] 30.59	78	[d] 1.76	1.10	10.58	[e] 4.52	[e] 6.00	10.4	2.14	1.017	.214	[h] 28.921
May	7	8.75	24.10	66.94	61	4.84	3.03	8.65	3.94	4.26	8.4	2.97	[f] .707	[g] .116	29.038
July	7	8.75	23.32	75.41	62	6.08	3.80	7.88	[e] 4.45	4.10	8.1	1.63	[f] .527	[g] .089	29.025
Average	6.7	8.33	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	2.94	.843	.186	29.017
Less than the Av. No. of Deaths. June	6	7.50	[b] 21.43	[c] 65.99	67	[d] 5.07	3.17	8.51	[e] 3.73	4.80	8.4	3.66	.541	.154	28.940
Apr.	5	6.25	[b] 21.33	43.23	61	2.49	1.56	10.12	4.50	6.07	9.8	1.65	.717	.149	28.978
Dec.	5	6.25	12.55	35.28	75	2.10	1.31	10.37	[e] 3.39	[e] 3.77	11.2	1.76	[f] .947	[g] .215	[h] 29.056
Feb.	4	5.00	19.61	22.27	80	1.40	.88	10.80	[e] 3.75	5.54	11.0	3.92	[f] 1.326	[g] .302	[h] 29.071
Jan.	3	3.75	18.65	16.98	81	1.08	.68	11.00	4.52	5.45	7.3	2.27	[f] 1.202	[g] .248	[h] 29.077
Nov.	3	3.75	15.57	33.78	74	2.37	1.48	10.20	[e] 3.87	5.30	14.6	4.39	[f] 1.069	[g] .279	[h] 29.087

* Excluding 1 in unknown month.

[a] See foot-notes to Exhibit K, page 256.

[b] Exceptions to the proposition that the Average Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

[c] Exceptions to the proposition that the Average Daily Temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

[d] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

[e] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

[f] Exceptions to the proposition that the Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

[g] Exceptions to the proposition that the Average Daily Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

[h] Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa.*

Intermittent Fever.—Exhibit W enables us to study facts relating to intermittent fever and coincident meteorological conditions. Although a disease widely prevalent in Michigan, it is far less so than in previous years, and the number of deaths from this cause is comparatively few. The greatest number of deaths from intermittent fever was in October, and the least in January.

EXHIBIT W.—INTERMITTENT FEVER.—*Deaths returned as having occurred in Michigan from Intermittent Fever, by Months, during the Year 1881, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Intermittent Fever, Greatest First.	Deaths from Intermittent Fever, 1881.		Temperature, Degrees,—Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour, by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
													Range of Barometer.		
	Number.	Per Cent. of Total.	Average Daily Range during Day and following Night, by Registering Therm'trs. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1881	*43	100.00	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	35.28	1.402	.186	29.017
More than Av. No. of Deaths. Oct.	9	20.93	19.84	53.63	75	3.94	2.46	9.22	2.77	3.52	8.7	5.60	.828	.206	29.089
Sept.	7	16.28	22.53	71.33	65	5.59	3.49	8.19	[e] 4.12	3.57	10.3	3.24	.654	.150	[f] 28.999
Aug.	5	11.63	24.48	74.63	62	5.80	3.63	8.05	[e] 4.45	3.53	7.0	2.05	.577	.106	29.063
May.	4	9.30	24.10	66.91	61	4.84	3.03	8.65	3.94	4.26	8.4	2.97	.707	.110	29.038
Average	4	8.33	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	2.94	.843	.186	29.017
Less than the Average No. of Deaths. April	3	6.98	[b] 21.33	43.23	64	2.49	1.56	10.12	4.50	6.07	9.8	1.65	.717	.149	28.978
June.	3	6.98	[b] 21.43	[c] 65.99	67	[d] 5.07	3.17	8.51	[e] 3.73	4.80	8.4	3.66	.541	.154	28.940
July.	3	6.97	[b] 23.32	[c] 75.41	62	[d] 6.08	3.80	7.88	4.45	[e] 4.10	8.1	1.63	.527	.089	[f] 29.035
Feb.	2	4.65	19.61	22.27	80	1.40	.88	10.80	[e] 3.75	5.54	11.0	3.92	1.326	.302	[f] 29.071
Mar.	2	4.65	14.68	30.59	78	1.76	1.10	10.58	4.52	6.00	10.4	2.14	1.017	.214	28.821
Nov.	2	4.65	15.57	38.78	74	2.37	1.48	10.20	[e] 3.87	5.30	14.6	4.39	1.069	.279	[f] 29.037
Dec.	2	4.65	12.55	35.28	75	2.10	1.31	10.37	[e] 3.39	[e] 3.77	11.2	1.76	.947	.215	[f] 29.056
Jan.	1	2.33	18.65	16.98	81	1.08	.68	11.00	4.52	5.45	7.3	2.27	1.202	.248	[f] 29.077

* Excluding 1 in unknown month.

[a] See foot-notes to Exhibit K, page 256.

[b] Exceptions to the proposition that the Average Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[c] Exceptions to the proposition that the Average Daily Temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[d] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[e] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[f] Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Typhoid Fever.—Deaths from typhoid fever in Michigan, in 1881, numbered 883. This number is about 25 per cent. greater than in any of the preceding seven years, the next largest number being in 1874, when there were 611 deaths returned. The greatest per cent. of deaths from this cause in 1881 occurred in the month of September, and the least in May. Coincident meteorological conditions are presented in Exhibit X.

EXHIBIT X.—TYPHOID FEVER.—*Deaths Returned as having occurred in Michigan from Typhoid Fever, by Months, during the Year 1881, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Typhoid Fever, Greatest First.	Deaths from Typhoid Fever, 1881.		Temperature,—Degrees Fahr.		Humidity of Atmosphere, Etc.,-Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
													Range of Barometer.		
	Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Registering Ther. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1881..	[b]883	100.00	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	35.28	1.402	.186	29.017
More than the Av. No. of Deaths. Oct...	178	20.16	19.84	53.63	75	3.94	2.46	9.22	2.77	3.52	8.7	5.60	.828	.206	29.069
Sept..	150	16.99	22.53	71.33	65	5.59	3.49	8.19	[f]4.12	3.57	10.3	3.24	.654	.150	[g]28.999
Nov...	149	16.87	[c]15.57	[d]38.78	74	[e]2.37	1.48	10.20	3.87	[f]5.30	14.6	4.39	1.069	.279	29.037
Dec...	108	12.23	[c]12.55	[d]35.28	75	[e]2.10	1.31	10.37	3.39	3.77	11.2	1.76	.947	.215	29.056
Aug...	99	11.21	24.48	74.63	62	5.80	3.63	8.05	[f]4.45	3.53	7.0	2.05	.577	.106	29.063
Average....	74	8.33	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	2.94	.843	.186	29.017
Less than the Average Number of Deaths. July..	45	5.10	[c]23.32	[d]75.41	62	[e]6.08	3.80	7.88	4.45	[f]4.10	8.1	1.62	.527	.069	[g]29.035
June..	35	3.96	[c]21.43	[d]65.99	67	[e]5.07	3.17	8.51	[f]3.73	4.80	8.4	3.66	.541	.154	28.940
April.	34	3.85	[c]21.33	43.23	64	2.49	1.56	10.12	4.50	6.07	9.8	1.65	.717	.149	28.978
May.	27	3.06	[c]24.10	[d]65.94	61	[e]4.84	3.03	8.65	[f]3.91	[f]4.26	8.4	2.97	.707	.116	[g]29.038
Mar...	23	2.60	14.68	30.59	78	1.76	1.10	10.58	4.52	6.00	10.4	2.14	1.017	.214	28.821
Jan....	20	2.27	18.65	16.98	81	1.08	.68	11.00	4.52	5.45	7.3	2.27	1.202	.248	[g]29.077
Feb...	15	1.70	19.61	22.27	80	1.40	.88	10.80	[f]3.75	5.54	11.0	3.92	1.326	.302	[g]29.071

[a] See foot-notes to Exhibit K, page 256. [b] Excluding 1 in unknown month.

[c] Exceptions to the proposition that the Average Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[d] Exceptions to the proposition that the Average Daily Temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[e] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[f] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[g] Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer, was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

EXHIBIT 16.—DIARRHEA.—*Deaths in Michigan from Diarrhea in July and August of each of the Years 1873–1881, the Average for Nine Years ending with 1881, and some coincident Meteorological conditions, at the Agricultural College, Michigan.*

JULY AND AUGUST OF EACH OF THE YEARS 1873–1881.		Number of Deaths from Diarrhea.	Temperature,—F.; Mean of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.		Ozone,—Relative. Maximum =10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
			Average Range.									Range of Barometer.		
			Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			Monthly.	Average, Daily.	Average Pressure.
Average	July.	64	17.14	18.85	71.66	74	6.32	2.98	2.37	6.6	3.076	.542	.152	29.027
	Aug.	95	18.18	19.77	69.53	76	5.93	3.17	1.98	6.1	2.500	.522	.140	29.036
1873	July.	65	15.35	18.68	[e] 70.82	78	6.45	[h] 3.59	[h] 3.06	.....	5.124	.453	.083	[j] 28.914
	Aug.	105	[c] 18.55	[d] 21.32	[e] 69.49	81	6.29	[h] 3.55	[h] 2.65	.....	[i] .798	.574	.084	[j] 28.927
1874	July.	61	17.68	21.35	[e] 72.02	71	6.00	[h] 1.80	[h] 1.50	.....	2.560	.465	.078	28.907
	Aug.	104	17.23	19.61	[e] 69.39	[f] 74	[g] 5.75	2.80	1.10	.....	[i] 1.278	.503	.065	[j] 28.924
1875	July.	56	[c] 16.26	[d] 18.26	69.67	[f] 78	5.91	3.52	3.22	.....	2.420	.584	.696	[j] 29.044
	Aug.	80	[c] 16.90	[d] 18.61	65.48	[f] 77	5.22	3.50	3.70	.....	1.470	.806	.652	29.025
1876	July.	69	15.87	17.90	72.48	78	6.76	2.16	1.58	.....	[i] 2.100	.507	.070	[j] 29.009
	Aug.	98	17.74	[d] 20.97	71.55	76	6.31	1.97	1.26	.....	[i] 1.280	.459	.061	29.048
1877	July.	55	18.39	20.42	71.43	70	5.76	[h] 2.71	[h] 1.77	.....	2.250	.655	.088	[j] 29.062
	Aug.	96	17.45	19.48	[e] 68.46	78	[g] 5.74	[h] 3.42	1.03	.....	6.570	.401	.056	29.046
1878	July.	39	[c] 14.39	[d] 18.10	[e] 73.04	68	[g] 6.83	[h] 2.10	[h] 1.74	3.1	2.960	.611	.068	[j] 29.085
	Aug.	47	[c] 17.71	[d] 19.74	[e] 70.15	74	[g] 6.06	[h] 2.32	[h] 0.52	3.1	1.850	.434	.065	29.010
1879	July.	44	[c] 16.81	18.90	[e] 74.03	71	6.30	[h] 2.90	[h] 2.13	8.6	2.190	.608	.073	[j] 29.057
	Aug.	82	19.06	20.90	[e] 70.00	70	5.58	[h] 2.58	[h] 1.76	8.4	1.610	.355	.068	[j] 29.100
1880	July.	86	15.68	17.16	[e] 63.04	78	[g] 6.20	[h] 3.61	2.23	6.5	6.270	.449	.057	29.068
	Aug.	90	[c] 13.90	[d] 17.55	68.58	[f] 82	[g] 6.32	3.97	2.23	5.9	[i] 6.020	.640	.071	[j] 29.126
1881	July.	105	[c] 23.87	.....	73.43	[f] 73	6.65	[h] 4.45	[h] 4.10	8.1	[i] 1.810	.....	.....	29.093
	Aug.	157	[c] 25.06	.....	72.69	[f] 70	6.09	[h] 4.45	[h] 3.53	7.0	[i] 1.630	.....	.....	29.117

[a] See foot-notes to Exhibit K, page 256.

[c] Exceptions to the proposition that the Average Daily Range of Temperature was *less* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[d] Exceptions to the proposition that the Average Range of Temperature "from day to day" was *less* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[e] Exceptions to the proposition that the Average Temperature was *higher* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[f] Exceptions to the proposition that the Average Relative Humidity was *greater* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[g] Exceptions to the proposition that the Absolute Humidity was *greater* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[h] Exceptions to the proposition that the Day or Night Ozone was *less* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[i] Exceptions to the proposition that the amount of rain and melted snow was *greater* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[j] Exceptions to the proposition that the Atmospheric Pressure was *more* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

EXHIBIT 21.—DIARRHEA.—*Deaths Returned as having occurred in Michigan from Diarrhea, by Months, during the Year 1881, and some coincident Meteorological conditions at the Office of the State Board of Health, at Lansing.*

Months in Order by Number of Deaths from Diarrhea, Greatest First.	Deaths from Diarrhea, 1881.		Temperature,—Degrees Fahr.		Inches of Rain and Melted Snow.	Humidity of Atmosphere. Av. of Obs. at 7 A. M., 2 P. M., and 9 P. M., daily.		Ozone, Relative.—Scale of 10 Degrees of Coloration.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
											Range of Barometer.		
	Number.	Per Cent. of Total.	Average Daily Range during day and following night, by Reg'ng Therm'ters. Observed at 7 A.M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.		Relative Humidity, or Per Cent. of Saturation.	Absolute Humidity,—Grains of Vapor in a Cubic Foot of Air.a	Day Observation,—7 A. M. to 2 P. M.	Night Observation,—9 P. M. to 7 A. M.		Monthly, and for Year.	Average Daily Range of Observations at 7 A. M., 2 P. M., and 9 P. M.	Average Pressure.
Year, 1881	501	100.00	19.84	49.59	35.28	70	3.54	4.00	4.66	9.6	1.402	.186	29.017
More than the Av. No. of Deaths. Aug.	157	31.34	24.48	74.63	2.05	62	5.80	f 4.45	3.53	7.0	g .577	h .106	29.063
July	105	20.96	23.32	75.41	1.63	62	6.08	f 4.45	4.10	8.1	g .527	h .089	29.035
Sept.	83	16.57	22.53	71.33	3.24	65	5.59	f 4.12	3.57	10.3	g .654	h .150	i 28.909
June	45	8.98	21.43	65.99	3.66	67	5.07	3.73	f 4.80	8.4	g .541	h .154	i 28.940
Average	42	8.33	19.84	49.59	2.94	70	3.54	4.00	4.66	9.6	.843	.186	29.017
Less than the Average No. of Deaths. Oct.	40	7.98	19.84	c 53.63	5.60	75	e 3.94	f 2.77	f 3.52	8.7	.828	h .206	i 29.089
May	17	3.39	b 24.10	c 66.94	2.97	d 61	e 4.84	f 3.94	f 4.26	8.4	.707	.116	i 29.038
Nov.	14	2.79	15.57	38.78	4.39	74	2.37	f 3.87	5.30	14.6	g 1.069	h .279	i 29.037
Dec.	13	2.59	12.55	35.28	1.76	75	2.10	f 3.39	f 3.77	11.2	g .947	h .215	i 29.056
March	12	2.40	14.68	30.59	2.14	78	1.76	4.52	6.00	10.4	g 1.017	h .214	28.821
April	11	2.20	b 21.33	43.23	1.65	d 64	2.49	4.50	6.07	9.8	.717	.149	28.978
Feb.	4	.80	19.61	22.27	3.92	80	1.40	f 3.75	5.54	11.0	g 1.326	h .302	i 29.071
Jan.	----	------	18.65	16.98	2.27	81	1.08	4.52	5.45	7.3	g 1.202	h .248	i 29.077

a See foot-notes to Exhibit K, page 256.

b Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily Range of Temperature was *greater* than the average, and *vice versa*.

c Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily Temperature was *higher* than the average, and *vice versa*.

d Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Relative Humidity of the Atmosphere was *less* than the average, and *vice versa*.

e Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Absolute Humidity of the Atmosphere was *greater* than the average, and *vice versa*.

f Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Amount of Ozone in the Atmosphere was *less* than the average, and *vice versa*.

g Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Monthly Range of Barometer was *greater* than the average, and *vice versa*.

h Exceptions to the proposition that *more* than the average number of deaths from Diarrhea

[Foot-notes to Exhibit 21 continued on bottom of page 269.]

Diarrhea.—In 1881 there were 501 deaths from diarrhea returned as having occurred in Michigan. Not a single death from this cause was reported for the month of January, while 157 were recorded for the month of August. This is the largest number returned for this month in any year from 1873–1881 Exhibits 16 and 21 and Table XXI. present many interesting facts in regard to this cause of death.

Dysentery.—In 1881, there were 270 deaths returned from dysentery in this State. Table XXI. shows the geographical distribution in this State of deaths from diarrhea, dysentery, and typhoid fever.

TABLE XXI.—DIARRHEA AND DYSENTERY.—*Exhibiting for the State and for Eleven Geographical Divisions of the State, the Number of Deaths Returned as having occurred from Diarrhea and Dysentery, and from Typhoid Fever, and the Per Cent. of Deaths from each Disease to Deaths from All Causes, during the Year 1881.*

STATE AND GEOGRAPHICAL DIVISIONS.[a]	DIARRHEA, 1881. ACUTE AND CHRONIC.		DYSENTERY, 1881. ACUTE AND CHRONIC.		TYPHOID FEVER, 1881.	
	Number of Deaths, 1881.	Per Cent. to Deaths from All Causes, by Geographical Divisions.	Number of Deaths, 1881.	Per Cent. to Deaths from All Causes, by Geographical Divisions.	Number of Deaths, 1881.	Per Cent. to Deaths from All Causes, by Geographical Divisions.
STATE	501	2.60	270	1.40	884	4.60
Upper-peninsular	63	5.81	9	.83	71	6.55
Northwestern	14	2.71	3	.58	22	4.26
Northern	13	3.30	9	2.28	13	3.30
Northeastern	13	3.43	1	.26	14	3.69
Western	89	3.43	36	1.39	109	4.20
Northern-central	.....	.....	11	1.71	38	5.90
Bay and Eastern	81	2.57	33	1.05	136	4.31
Central	32	1.05	63	2.07	150	4.92
Southwestern	13	1.08	17	1.41	65	5.39
Southern-central	29	.98	44	1.49	128	4.34
Southeastern	154	4.71	44	1.35	138	4.22

[a] For counties included in each Division, see page 162.

occurred in months when the Average Daily Range of Barometer was *greater* than the average, and *vice versa*.

[1] Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily Pressure of the Atmosphere was *greater* than the average, and *vice versa*.

Rheumatism.—Deaths from this cause were most numerous, in this State in 1881, during the month of March. Exhibit 19 is a continuation of a system of tabulation that was introduced in the hope of obtaining some profitable results from its study, if continued.

EXHIBIT 19.—RHEUMATISM.—*Deaths returned as having occurred in Michigan from Rheumatism, by Months, during the Year 1881, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Rheumatism,* Greatest First.		Deaths.		Temperature,—Degrees Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° Fahr.)		
														Range of Barometer.		
		Number.	Per Cent. of Total.	Average Daily Range during Day and following Night, by Registering Therm'rs. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.a	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.a	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1881.		112	100.00	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	35.28	1.402	.186	29.017
More than the Av. No. of Deaths.	March	14	12.50	14.68	30.59	78	b 1.76	1.10	10.58	c 4.52	c 6.00	10.4	2.11	1.017	.214	d 28.821
	Aug.	12	10.71	24.48	74.63	62	5.80	3.63	8.05	c 4.45	3.53	7.0	2.05	.577	.106	29.063
	Sept.	12	10.71	22.53	71.33	65	5.59	3.49	8.19	c 4.12	3.57	10.3	3.24	.654	.150	d 28.999
	May.	11	9.82	24.10	66.94	61	4.84	3.03	8.65	3.94	4.26	8.4	2.97	.707	.116	29.038
	July.	11	9.82	23.32	75.41	62	6.08	3.80	7.88	c 4.45	4.10	8.1	1.63	.527	.089	29.035
	Dec.	10	8.93	12.55	35.28	75	b 2.10	1.31	10.37	3.39	3.77	11.2	1.76	.947	.215	29.056
Average		9.3	8.33	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	2.94	.843	.186	29.017
Less than the Av. No. of Deaths.	April	9	8.04	21.33	43.23	64	2.49	1.56	10.12	4.50	6.97	9.8	1.65	.717	.149	28.978
	Nov.	9	8.04	15.57	38.78	74	2.37	1.48	10.20	c 3.87	5.30	14.6	4.39	1.069	.279	d 29.037
	Feb.	8	7.14	19.61	22.27	80	1.40	.88	10.80	c 3.75	5.54	11.0	3.92	1.326	.302	d 29.071
	Jan.	7	6.25	18.65	16.98	81	1.08	.68	11.00	4.52	5.45	7.3	2.27	1.202	.248	d 29.077
	Oct.	5	4.46	19.84	53.63	75	b 3.94	2.46	9.22	c 2.77	c 3.52	8.7	5.60	.828	.206	d 29.089
	June.	4	3.57	21.43	65.99	67	b 5.07	3.17	8.51	c 3.73	4.80	8.4	3.66	.541	.154	28.940

* Includes Rheumatism of Heart, Inflammatory, Sciatic, Spinal, and Rheumatism.

a See foot-notes to Exhibit K, page 256.

b Exceptions to the proposition that the air contains *more* than the average amount of vapor of water in months when *more* than the average number of deaths from Rheumatism occurred, and *vice versa*.

c Exceptions to the proposition that there was *less* than the average Ozone in the air in months when *more* than the average number of deaths from Rheumatism occurred, and *vice versa*.

d Exceptions to the proposition that the Atmospheric Pressure was *greater* than the average in months when *more* than the average number of deaths from Rheumatism occurred, and *vice versa*.

Scarlet Fever.—Three hundred and eighty-two deaths were returned as having occurred in Michigan in 1881 from scarlet fever. With the exception of 1880, this is a number less than has been reported in eight years. According to the returns, the greatest mortality from this cause was in the month of May, and the least was in the month of November. The mortality was quite evenly distributed through most of the months.

EXHIBIT Y.—SCARLET FEVER.—*Deaths Returned as having occurred from Scarlet Fever in Michigan during the year 1881, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Scarlet Fever, Greatest First.		Deaths from Scarlet Fever, 1881.		Temperature,—Degrees Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
		Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Reg. Therm'rs. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1881		*382	100.00	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	29.017
More than the Av. No. of Deaths.	May	45	11.78	24.10	[b] 66.94	61	[c] 4.84	3.03	8.65	3.94	4.26	8.4	29.038
	January	41	10.73	18.65	16.98	81	1.08	.68	11.00	4.52	5.45	7.3	29.077
	December	37	9.69	12.55	35.28	75	2.10	1.31	10.37	3.39	3.77	11.2	29.056
	April	36	9.42	21.33	43.23	64	2.49	1.56	10.12	4.50	6.07	9.8	28.978
	July	35	9.16	23.32	[b] 75.41	62	[c] 6.08	3.80	7.88	4.45	4.10	8.1	29.035
	August	35	9.16	24.48	[b] 74.63	62	[c] 5.80	3.63	8.05	4.45	3.53	7.0	29.063
	March	34	8.90	14.68	30.59	78	1.76	1.10	10.58	4.52	6.00	10.4	28.821
	June	33	8.64	21.43	[b] 65.99	67	[c] 5.07	3.17	8.51	3.73	4.80	8.4	28.940
Average		32	8.33	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	29.017
Less than Av. No. of Deaths.	February	31	8.12	19.61	[b] 22.27	80	[c] 1.40	.88	10.80	3.75	5.54	11.0	29.071
	September	23	6.02	22.53	71.33	65	5.59	3.49	8.19	4.12	3.57	10.3	28.999
	October	17	4.45	19.84	53.63	75	3.94	2.46	9.22	2.77	3.52	8.7	29.089
	November	15	3.93	15.57	[b] 38.78	74	[c] 2.37	1.48	10.20	3.87	5.30	14.6	29.037

* Excluding 1 death in unknown month.

[a] See foot-notes to Exhibit K, page 256.

[b] Exceptions to the proposition that the Average Daily Temperature was *lower* than the average in months when *more* than the average number of deaths from Scarlet Fever occurred, and *vice versa*.

[c] Exceptions to the proposition that the Absolute Humidity of the Atmosphere was *less* than the average in months when *more* than the average number of deaths from Scarlet Fever occurred, and *vice versa*.

Consumption.—One thousand nine hundred and fifty-four deaths were caused by consumption in Michigan in 1881. Considering the ratio of males to females in the State, the mortality from this disease was considerably greater among the females. The greatest number of deaths occurred in May; the least number in January. The number of deaths from this disease in each of the years 1874–1880, is as follows: in 1874, 1,392 deaths; in 1875, 1,479; in 1876, 1,590; in 1877, 1,664; in 1878, 1,641; in 1879, 1,680; and in 1880, 1,829. The number of deaths from this cause in 1881 exceeds the largest number in any of those years by 125.

EXHIBIT N.—CONSUMPTION.—*By Sex, the Number of Deaths Returned as having occurred in Michigan from Consumption during the Year 1881, by Months Equalized to Uniform length of 30.44 days each; also the Average Number per Month.* (*Deaths in unknown month excluded.*)

SEX.	TOTAL.	DEATHS FROM CONSUMPTION IN 1881, BY MONTHS OF EQUAL LENGTH.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Av.
Total....	[a] 1,948	113	151	162	209	177	148	156	155	157	161	165	194	162
Males....	906	45	83	81	103	75	67	67	73	63	70	83	93	76
Females.	1,042	68	68	81	103	102	81	89	82	94	91	82	101	87

[a] Excluding 7 deaths in unknown month; 1 male gained and 7 females lost in equalizing. The number of deaths from consumption, as returned, is 1,954.

EXHIBIT O.—CONSUMPTION.—*Deaths from Consumption, Returned as having occurred in Michigan, by Months, during the Year 1881, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Consumption, Greatest First.		Deaths fom Consumption, 1881.		Temperature,—Degrees Fahr.		Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
		Number.	Per Cent. of Total.	Average Daily Range during Day and following Night by Reg. Therm'trs. Observed at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1881		[b] 1,947	100.00	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	29.017
More than the Av. Number of Deaths.	April	206	10.58	21.33	[c] 43.23	64	2.49	[d] 1.56	10.12	4.50	6.07	9.8	28.978
	Dec.	198	10.17	12.55	[c] 35.28	75	2.10	[d] 1.31	10.37	3.39	3.77	11.2	29.056
	May	180	9.24	24.10	66.94	61	4.84	3.03	8.65	3.94	4.26	8.4	29.038
	March	164	8.42	14.68	[c] 30.59	78	1.76	[d] 1.10	10.58	4.52	6.00	10.4	28.821
	Oct.	164	8.42	19.84	53.63	75	3.94	2.46	9.22	2.77	3.52	8.7	29.089
	Nov.	163	8.37	15.57	[c] 38.78	74	2.37	[d] 1.48	10.20	3.87	5.30	14.6	29.037
Average		162	8.33	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	29.017
Less than the Av. No. of Deaths.	July	159	8.17	23.32	[c] 75.41	62	6.08	[d] 3.80	7.88	4.45	4.10	8.1	29.035
	Aug.	158	8.12	24.48	[c] 74.63	62	5.80	[d] 3.63	8.05	4.45	3.53	7.0	29.063
	Sept.	155	7.96	22.53	[c] 71.33	65	5.59	[d] 3.49	8.19	4.12	3.57	10.3	28.999
	June	146	7.50	21.43	[c] 65.99	67	5.07	[d] 3.17	8.51	3.73	4.80	8.4	28.940
	Feb.	139	7.14	19.61	22.27	80	1.40	.88	10.80	3.75	5.54	11.0	29.071
	Jan.	115	5.91	18.65	16.98	81	1.08	.68	11.00	4.52	5.45	7.3	29.077

[a] See foot-notes to Exhibit K, page 256.
[b] Excluding 7 in unknown month.
[c] Exceptions to the proposition that the Temperature was *higher* than the average in months when *more* than the average number of deaths from Consumption occurred, and *vice versa*.
[d] Exceptions to the proposition that *more* than an average amount of vapor was inhaled in months in which there was *more* than the average number of deaths from Consumption, and *vice versa*.

Pneumonia.—Particulars as to this cause of deaths are amply shown in Exhibits 18, P, and 17. In a period of ten years the greatest number of deaths from pneumonia has occurred in the month of March seven times, twice in December, and once in February. In Exhibit P the influence of the meteorological conditions upon the mortality from pneumonia may be studied. The propositions made in this Exhibit are the opposite of those made in Exhibit O concerning consumption, and to each proposition in Exhibit P there are only two exceptions.

EXHIBIT 18.—PNEUMONIA.—*Deaths in Michigan from Pneumonia in February and March of each of the Years 1873–1881, the Average for Nine Years ending with 1881, and some coincident Meteorological conditions, at the Agricultural College, Michigan.*

February and March of each of the Years 1873–1881.		Number of Deaths from Pneumonia.	Temperature,—F.; Mean of 3 Daily Observations—7 A.M., 2 P.M., and 9 P.M. Average Range. Daily.	From Day to Day, 2 P.M. to 2 P.M.	Average.	Humidity of Atmosphere, Etc.,—Monthly Averages. Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor, in Cubic Foot of Air.[a]	Ozone,—Relative. Maximum = 10. Day,—7 A.M. to 2 P.M.	Night,—9 P.M. to 7 A.M.	Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.) Range of Barometer. Monthly.	Average, Daily.	Average Pressure.
Av...	February	79	14.76	16.98	23.54	87	1.54	4.77	5.56	9.6	1.902	1.092	.168	29.022
	March	100	14.10	16.31	31.30	84	1.90	4.98	5.69	10.6	1.798	1.209	.175	28.968
1873..	February	110	14.61	18.71	[g] 19.10	[i] 91	[k] 1.43	4.21	[o] 5.93	.....	.770	.842	.197	28.847
	March	80	14.16	16.61	28.30	[j] 71	1.52	[n] 4.09	5.80	.....	1.730	1.307	.218	[r] 28.852
1874..	February	57	[c] 12.32	[e] 14.07	[g] 25.51	89	[k] 1.55	5.53	6.10	.....	1.550	1.387	.171	[q] 28.928
	March	108	13.52	16.45	32.30	83	2.00	[n] 5.00	[p] 6.00	.....	1.786	1.081	.133	28.895
1875..	February	116	20.14	21.57	[g] 8.35	[i] 94	[k] .73	[m] 5.78	[o] 6.57	.....	2.198	1.231	.206	28.875
	March	128	15.48	16.68	[h] 26.20	[j] 87	[l] 1.63	[n] 5.70	[p] 6.19	.....	1.020	1.231	.163	28.844
1876..	February	71	[c] 12.76	[e] 16.66	[g] 27.38	[i] 84	[k] 1.59	5.76	7.27	.....	3.040	1.033	.176	29.063
	March	107	12.84	14.39	[h] 30.55	[j] 95	[l] 1.78	[n] 6.06	[p] 7.00	.....	4.840	1.812	.223	28.929
1877..	February	56	14.79	17.71	[g] 32.31	[i] 85	[k] 1.85	[m] 4.54	[o] 4.14	.....	.000	1.007	.122	29.124
	March	64	15.29	17.29	24.51	91	1.53	5.29	6.06	.....	.560	1.119	.151	28.981
1878..	February	87	[c] 14.59	[e] 15.93	[g] 28.07	89	[k] 1.91	5.00	[o] 5.33	5.0	2.740	1.033	.123	29.026
	March	59	[d] 12.06	16.77	[h] 40.90	[j] 83	[l] 2.80	[n] 4.68	[p] 4.94	6.7	.312	.942	.181	29.027
1879..	February	92	11.46	14.79	[g] 20.40	[i] 92	[k] 1.23	4.54	5.01	.....	1.430	.964	.151	[q] 29.107
	March	114	12.74	15.65	33.19	78	1.93	3.93	4.30	12.4	1.570	.796	.137	[r] 29.102
1880..	February	82	12.00	16.41	29.19	68	1.92	3.83	4.17	12.7	1.620	1.241	.197	[q] 29.077
	March	111	14.61	16.65	35.50	79	1.97	[n] 5.52	4.94	12.8	1.700	1.380	.197	[r] 29.181
1881..	February	88	20.18	.....	[g] 21.58	[i] 93	1.66	3.75	5.54	11.0	3.770	.....	.....	[q] 29.152
	March	126	16.16	.....	[h] 30.28	[j] 86	1.93	4.52	[p] 6.00	10.4	2.660	.....	.....	28.899

[a] See foot notes to Exhibit K, page 256.
[c] Three out of nine cases in which the Average Daily Range of Temperature and the deaths were both *less* than the average.
[d] One out of nine cases in which the Average Daily Range of Temperature and the deaths were both *less* than the average.
[e] Three out of eight cases in which the Range of Temperature "from day to day" and the number of deaths were both *less* than the average.
[g] Eight out of nine cases in which the Average Temperature was *higher* and the deaths *less* than the average, or *vice versa*.
[h] Four out of nine cases in which the Average Temperature was *higher* and the deaths *less* than the average, or *vice versa*.
[i] Six out of nine cases in which the Relative Humidity and the deaths were both *greater* than the average, or both *less* than the average.
[j] Five out of nine cases in which the Relative Humidity and the deaths were both *greater* than the average, or both *less* than the average.

[Foot notes to Exhibit 18 continued at bottom of page 275.]

EXHIBIT P.—PNEUMONIA.—*Deaths returned as having occurred from Pneumonia, in Michigan during the Year 1881, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Pneumonia, Greatest First.	Deaths from Pneumonia, 1881. Number.	Deaths from Pneumonia, 1881. Per Cent. of Total.	Temperature,—Degrees Fahr. Average Daily Range during Day and following Night, by Reg. Therm'r. Observed at 7 A. M.	Temperature,—Degrees Fahr. Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	Humidity of Atmosphere, Etc.,—Monthly Averages. Relative Humidity, or Per Cent. of Saturation.	Humidity of Atmosphere, Etc.,—Monthly Averages. Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Humidity of Atmosphere, Etc.,—Monthly Averages. Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Humidity of Atmosphere, Etc.,—Monthly Averages. Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Ozone,—Relative. Maximum = 10. Day,—7 A. M. to 2 P. M.	Ozone,—Relative. Maximum = 10. Night,—9 P. M. to 7 A. M.	Average Velocity of Wind, Miles per Hour,—by Registering Anemometer.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
Year, 1881	[b]802	100.00	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	29.017
More than the Av. No. of Deaths. March	126	15.71	14.68	30.59	78	1.76	1.10	10.58	4.52	6.00	10.4	28.821
April	100	12.47	21.33	43.23	64	2.49	1.56	10.12	4.50	6.07	9.8	28.978
December	91	11.35	12.55	35.28	75	2.10	1.31	10.37	3.39	3.77	11.2	29.056
February	88	10.97	19.61	22.27	80	1.40	.88	10.80	3.75	5.54	11.0	29.071
January	77	9.60	18.65	16.98	81	1.08	.68	11.00	4.52	5.45	7.3	29.077
May	70	8.73	24.10	[c]66.94	61	4.84	[d]3.03	8.65	3.94	4.26	8.4	29.038
Average	67	8.33	19.84	49.59	70	3.54	2.21	9.47	4.00	4.66	9.6	29.017
Less than the Av. No. of Deaths. October	55	6.86	19.84	53.63	75	3.94	2.46	9.22	2.77	3.52	8.7	29.089
September	47	5.86	22.53	71.33	65	5.59	3.49	8.19	4.12	3.57	10.3	28.999
November	43	5.36	15.57	[c]38.78	74	2.37	[d]1.48	10.20	3.87	5.30	14.6	29.037
July	39	4.86	23.32	75.41	62	6.08	3.80	7.88	4.45	4.10	8.1	29.035
June	37	4.61	21.43	65.99	67	5.07	3.17	8.51	3.73	4.80	8.4	28.940
August	29	3.62	24.48	74.63	62	5.80	3.63	8.05	4.45	3.53	7.0	29.063

[a] See foot-notes to Exhibit K, page 256.
[b] Excluding 3 in unknown month.
[c] Exceptions to the proposition that the Average Daily Temperature was *lower* than the average in months when *more* than the average number of deaths from Pneumonia occurred, and *vice versa*.
[d] Exceptions to the proposition that *less* than an average amount of vapor was inhaled in months when *more* than the average number of deaths from Pneumonia occurred, and *vice versa*.

[k] Seven out of nine cases in which the Absolute Humidity was *greater* and the deaths *less* than the average, or *vice versa*.
[l] Three out of nine cases in which the Absolute Humidity was *greater* and the deaths *less* than the average, or *vice versa*.
[m] Two out of nine cases in which the Day Ozone and the deaths were both *greater* than the average, or both *less* than the average.
[n] Six out of nine cases in which the Day Ozone and the deaths were both *greater* than the average, or both *less* than the average.
[o] Four out of nine cases in which the Night Ozone and the deaths were both *greater* than the average, or both *less* than the average.
[p] Five out of nine cases in which the Night Ozone and the deaths were both *greater* than the average, or both *less* than the average.
[q] Four out of nine cases in which the Pressure of the Atmosphere and the deaths were both *greater* than the average, or both *less* than the average.
[r] Three out of nine cases in which the Pressure of the Atmosphere and the deaths were both *greater* than the average, or both *less* than the average.

EXHIBIT 17.—PNEUMONIA.—*By Months, the Number of Deaths Returned as having occurred from Pneumonia, in Michigan, during each of the Years 1872–1881, and the average for Ten Years ending with 1881.*

YEARS.	TOTALS.	DEATHS FROM PNEUMONIA, 1872–1881.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
1872	641	46	64	75	79	53	28	26	31	29	56	63	89	2
1873	706	84	110	80	58	65	55	20	29	34	37	65	68	1
1874	800	49	57	108	141	108	46	29	32	46	39	50	93	2
1875	745	85	116	128	88	73	36	21	17	31	42	41	65	2
1876	627	43	71	107	68	50	33	20	37	28	38	40	91	1
1877	465	58	56	64	60	39	24	14	23	26	26	35	38	2
1878	462	36	37	59	54	37	30	15	19	22	35	53	65	.....
1879	701	44	92	114	102	59	36	30	31	42	25	45	80	1
1880	812	56	82	111	113	79	37	29	36	51	44	68	105	1
1881	805	77	88	126	100	70	37	39	29	47	55	43	91	3
Average for 10 y'rs	676	58	77	97	86	63	36	24	28	36	40	50	79	2

EXHIBIT 20—*Relative Amount of Ozone in Air from 9 P. M. to 7 A. M.,—Night Observations,—by Months, during the Years 1872–1881, and the Average for 10 years ending with 1881; also, the Average for 10 years ending with 1881, from 7 A. M. to 2 P. M.,—Day Observations, at the Agricultural College.*

YEARS.		Annual Average.	Ozone Observations, by Months.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Day	1872	2.82	4.50	4.00	3.00	2.63	2.14	1.91	.88	.98	1.40	1.93	4.60	5.81
	1873	4.02	5.06	4.21	4.09	3.76	4.58	3.26	3.59	3.55	2.30	4.52	4.30	4.97
	1874	4.10	5.10	5.53	5.00	5.70	5.80	3.50	1.80	2.80	2.90	3.32	3.80	4.00
	1875	4.53	5.52	5.78	5.70	3.73	3.19	3.96	3.52	3.50	4.30	5.30	4.90	5.00
	1876	3.68	5.32	5.76	6.06	3.70	3.10	1.87	2.16	1.97	2.60	3.45	3.57	4.57
	1877	3.66	4.87	4.54	5.29	3.70	3.29	3.17	2.71	3.42	2.93	3.20	3.60	3.17
	1878	3.50	3.74	5.00	4.68	4.37	3.97	3.17	2.10	2.32	2.23	2.71	3.17	4.55
	1879	3.24	4.00	4.54	3.93	3.00	2.79	2.43	2.90	2.58	2.87	3.32	3.53	2.97
	1880	4.05	2.97	3.83	5.52	5.10	3.65	3.80	3.61	3.97	2.93	2.90	5.10	5.16
	1881	4.00	4.52	3.75	4.52	4.50	3.94	3.73	4.45	4.45	4.12	2.77	3.87	3.39
Av. for 10 years.		3.76	4.56	4.69	4.78	4.02	3.65	3.08	2.77	2.95	2.86	3.34	4.04	4.36
Night	1872	4.24	5.44	6.00	5.71	5.30	3.84	3.23	2.28	.99	1.86	3.18	6.17	6.84
	1873	4.63	6.32	5.93	5.80	4.27	4.59	2.66	3.06	2.65	4.27	4.69	5.47	5.89
	1874	3.99	6.39	6.10	6.00	6.60	4.90	2.34	1.50	1.10	1.20	3.01	4.50	4.20
	1875	5.04	5.93	6.57	6.19	3.96	4.03	3.66	3.22	3.70	3.68	6.20	6.60	6.70
	1876	4.11	6.90	7.27	7.00	5.53	4.13	2.27	1.58	1.26	1.73	3.48	3.33	4.81
	1877	3.33	5.03	4.14	6.06	4.27	2.94	2.90	1.77	1.03	1.53	3.19	3.73	3.37
	1878	3.42	4.48	5.33	4.94	4.53	4.10	3.00	1.74	1.52	1.60	1.97	3.14	4.74
	1879	3.36	4.48	5.01	4.30	4.00	2.68	2.03	2.13	1.76	2.53	2.81	4.63	3.87
	1880	3.63	2.97	4.17	4.94	4.93	3.03	2.70	2.23	2.23	2.15	2.68	5.33	6.23
	1881	4.66	5.45	5.54	6.00	6.07	4.26	4.80	4.10	3.53	3.57	3.52	5.30	3.73
Av. for 10 years.		4.04	5.34	5.61	5.69	4.95	3.85	2.96	2.36	1.98	2.41	3.47	4.82	5.04

CORRELATION OF CONSUMPTION AND PNEUMONIA.

These two diseases may be studied together by sex, by months, and by periods of age in the two following tables. The facts in regard to these two diseases seem to show that they are most prevalent under opposite circumstances.

TABLE XXII.—CORRELATION OF CONSUMPTION AND PNEUMONIA.—*Deaths Returned as having occurred from Consumption and Pneumonia, in Michigan, during the Year 1881, by Months, Exhibiting the Total Number, Number of each Sex, Per Cent. of Total, and Excess of each Sex.*

MONTHS, 1881.	CONSUMPTION, 1881.								PNEUMONIA, 1881.							
	Number.			Per Cent. of deaths in each Month to Total for Year.	Per Cent. of each Sex to Total of both Sexes.				Number.			Per Cent. of deaths in each Month to Total for Year.	Per Cent. of each Sex to Total of both Sexes.			
	Males.	Females.	Total.		Males.	Females.	Excess. Males.	Excess. Females.	Males.	Females.	Total.		Males.	Females.	Excess. Males.	Excess. Females.
Year, 1881	905	1,049	1,954	100.00	46.32	53.68	.....	7.36	467	337	b 805	100.00	58.08	41.92	16.16	.....
January	46	c 69	c 115	5.89	40.00	60.00	.....	20.00	33	c 44	c 77	9.57	42.86	57.14	.....	14.28
February	76	c 63	c 139	7.12	54.68	45.32	9.36	.....	47	c 40	b c 88	10.93	54.02	45.98	8.04	.....
March	82	c 82	164	8.39	50.00	50.00	.....	.....	74	c 52	126	15.65	58.73	41.27	17.46	.....
April	104	102	206	c 10.54	50.49	49.51	.98	.....	64	36	100	12.42	64.00	36.00	28.00	.....
May	76	c 104	180	9.21	42.22	57.78	.....	15.56	48	c 22	70	8.70	68.57	31.43	37.14	.....
June	66	80	146	7.47	45.21	54.79	.....	9.58	19	18	37	4.60	51.35	48.65	2.70	.....
July	68	c 91	c 159	8.14	42.77	57.23	.....	14.46	26	c 13	c 39	4.85	66.67	33.33	33.34	.....
August	74	84	c 158	8.09	46.84	53.16	.....	6.32	16	13	c 29	3.60	55.17	44.83	10.34	.....
September	62	c 93	c 155	7.93	40.00	60.00	.....	20.00	24	c 23	c 47	5.84	51.06	48.94	2.12	.....
October	71	c 93	c 164	8.39	43.29	56.71	.....	13.42	28	c 27	c 55	6.83	50.91	49.09	1.82	.....
November	c 82	81	c 163	8.34	50.31	49.69	.62	.....	c 29	14	c 43	5.34	67.44	32.56	34.88	.....
December	95	103	198	10.13	47.98	52.02	.....	4.04	57	34	91	11.30	62.64	37.36	25.28	.....
Unknown	3	4	7	.36	42.86	57.14	.....	14.28	2	1	3	.37	66.67	33.33	33.34	.....
Average a	75	87	154	8.33	.....	.....	.....	.....	39	28	67	8.33	.....	.....	.....	.....

a Excluding deaths in unknown month.
b Includes 1 unknown sex.
c *Less* than the average number of deaths from Consumption, and *more* than the average number from Pneumonia, and *vice versa*.

TABLE XXIII.—CORRELATION OF CONSUMPTION AND PNEUMONIA.—*Exhibiting the Number and Per Cent. of Deaths of each Sex, the difference between the Sexes, and the Per Cent. of Total Deaths at each Period of Age from Consumption and Pneumonia, Returned as having occurred in Michigan, during the Year 1881.*

AGES IN PERIODS OF YEARS, 1881.	CONSUMPTION, 1881.								PNEUMONIA, 1881.							
	NUMBER.			Per Ct. of Deaths at each Age to Deaths at All Ages.	PER CENT. OF THE SEXES.				NUMBER.			Per Ct. of Deaths at each Age to Deaths at All Ages.	PER CENT. OF THE SEXES.			
	Males.	Females.	Total.		Males.	Females.	EXCESS. Males.	EXCESS. Females.	Males.	Females.	Total.		Males.	Females.	EXCESS. Males.	EXCESS. Females.
All Ages, 1881	905	1,049	1,954	100.00	46.32	53.68	.....	7.36	467	337	c 805	100.00	58.08	41.92	16.16	.....
Under 5	64	a 56	120	6.14	53.33	46.67	6.66	.....	189	a 143	c 333	41.37	56.93	43.07	13.86	.....
5 to 10	17	a 10	27	1.38	62.96	37.04	25.92	b	18	a 22	40	4.97	45.00	55.00	b	10.00
10 to 15	13	22	35	1.79	37.14	62.86	.....	25.72	3	15	18	2.24	16.67	83.33	.....	66.66
15 to 20	a 61	a 134	a 195	9.98	31.28	68.72	.....	37.44	a 14	a 13	a 27	3.35	51.85	48.15	3.70	.....
20 to 25	a 118	a 173	a 291	14.89	40.55	59.45	b	18.19	a 25	a 10	a 35	4.35	71.43	28.57	42.86	b
25 to 30	a 118	a 133	a 251	12.85	47.01	52.99	.....	5.98	a 21	a 6	a 27	3.35	77.78	22.22	55.56	.....
30 to 35	a 75	a 96	a 171	8.75	43.86	56.14	b	12 28	a 14	a 7	a 21	2.61	66.67	33.33	33.34	b
35 to 40	a 74	a 77	a 151	7.73	49.01	50.99	b	1.98	a 11	a 16	a 27	3.35	40.74	59.26	b	18.52
40 to 45	a 61	a 67	a 128	6.55	47.66	52.34	.....	4.68	a 18	a 9	a 27	3.35	66.67	33.33	33.34	.....
45 to 50	44	a 64	108	5.53	40.74	59.26	b	18.52	19	a 9	28	3.48	67.86	32.14	35.72	b
50 to 55	48	38	86	4.40	55.81	44.19	11.62	.....	22	13	35	4.35	62.86	37.14	25.72	.....
55 to 60	37	43	80	4.09	46.25	53.75	.....	7.50	21	11	32	3.98	65.62	34.38	31.24	.....
60 to 65	49	32	81	4.15	60.50	39.50	21.00	.....	16	9	25	3.11	64.00	36.00	28.00	.....
65 to 70	41	32	73	3.74	56.16	43.84	12.32	.....	26	13	39	4.84	66.67	33.33	33.34	.....
70 to 75	38	24	62	3.17	61.29	38.71	22.58	b	21	18	39	4.84	53.85	46.15	7.70	b
75 to 80	21	23	44	2.25	47.73	52.27	.....	4.54	20	7	27	3.35	74.07	25.93	48.14	.....
80 and over	10	8	18	.92	55.56	44.44	11.12	b	2	10	12	1.49	16.67	83.33	b	66.66
Unknown	16	17	33	1.69	48.48	51.52	b	3.04	7	6	13	1.62	53.85	46.15	7.70	b
Average d	52	61	113	5.78	46.02	53.98	.....	.....	27	20	47	5.79	57.45	42.55	.....	.....

a *More* than an average number and per cent. of deaths from Consumption and *less* than an average number and per cent. of deaths from Pneumonia, and *vice versa*. b *More* than the average proportion of males from Consumption, and *less* than the average proportion of males from Pneumonia, and *vice versa*. c Includes 1 unknown sex. d Of 17 periods of 5 years each, unknown ages excluded.

TABLE XXIV.—*Exhibiting, for the State and Eleven Geographical Divisions in 1881, by Sex, the Number of Deaths Returned as having occurred from All Causes, from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea; also, the Per Cent. of Deaths from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea, to Deaths from All Causes.*

STATE AND GEOGRAPHICAL DIVISIONS.[a]	SEX.	All Causes, 1881.	CONSUMPTION.		PNEUMONIA.		TYPHOID FEVER.		INTERMITTENT FEVER.		DIARRHEA.	
			Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.
STATE[b]	Total	19,238	1,954	10.16	805	4.18	884	4.60	44	.23	501	2.60
	Males	10,263	905	8.82	467	4.55	491	4.78	19	.19	288	2.81
	Females	8,910	1,049	11.77	337	3.78	393	4.41	25	.28	213	2.39
	Unk'n	65	------	------	1	1.54	------	------	------	------	------	------
Upper-peninsular	Total	1,084	56	5.17	36	3.32	71	6.55	6	.55	63	5.81
	Males	622	29	4.66	22	3.54	53	8.52	3	.48	31	4.98
	Females	441	27	6.12	14	3.17	18	4.08	3	.68	32	7.26
	Unk'n	21	------	------	------	------	------	------	------	------	------	------
Northwestern	Total	517	36	6.96	15	2.90	22	4.26	------	------	14	2.71
	Males	276	14	5.07	11	3.99	5	1.81	------	------	10	3.62
	Females	239	22	9.21	4	1.67	17	7.11	------	------	4	1.67
	Unk'n	2	------	------	------	------	------	------	------	------	------	------
Northern	Total	394	33	8.38	23	5.84	13	3.30	------	------	13	3.30
	Males	204	13	6.37	15	7.35	5	2.45	------	------	6	2.94
	Females	190	20	10.53	8	4.21	8	4.21	------	------	7	3.68
Northeastern	Total	379	25	6.60	10	2.64	14	3.69	1	.26	13	3.43
	Males	214	17	7.94	7	3.27	8	3.74	1	.47	10	4.67
	Females	165	8	4.85	3	1.82	6	3.64	------	------	3	1.82
Western	Total	2,594	223	8.60	109	4.20	109	4.20	6	.23	89	3.43
	Males	1,379	101	7.32	67	4.86	62	4.50	4	.29	56	4.06
	Females	1,207	122	10.11	42	3.48	47	3.89	2	.17	33	2.73
	Unk'n	8	------	------	------	------	------	------	------	------	------	------
Northern-central	Total	644	50	7.76	31	4.81	38	5.90	7	1.09	------	------
	Males	346	30	8.67	17	4.91	23	6.65	3	.87	------	------
	Females	296	20	6.76	14	4.73	15	5.06	4	1.35	------	------
	Unk'n	2	------	------	------	------	------	------	------	------	------	------

[a] For counties included in each Division, see page 162.
[b] For counties and townships from which no returns of deaths for 1881 were received, see Exhibit H, page 136; for those in which no deaths occurred, see Exhibit I, page 138.

TABLE XXIV.—CONTINUED.

GEOGRAPHICAL DIVISIONS.[a]	SEX.	All Causes, 1881.	Consumption.		Pneumonia.		Typhoid Fever.		Intermittent Fever.		Diarrhea.	
			Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.
Bay and Eastern	Total	3,152	274	8.69	172	5.46	136	4.31	5	.16	81	2.57
	Males	1,693	132	7.80	105	6.20	78	4.61	------	------	42	2.48
	Females	1,451	142	9.79	67	4.62	58	4.00	5	.34	39	2.69
	Unk'n	8	------	------	------	------	------	------	------	------	------	------
Central	Total	3,050	325	10.66	116	3.80	150	4.92	3	.10	32	1.05
	Males	1,526	139	9.11	56	3.67	70	4.59	1	.07	20	1.31
	Females	1,516	186	12.27	60	3.96	80	5.28	2	.13	12	.79
	Unk'n	8	------	------	------	------	------	------	------	------	------	------
Southwestern	Total	1,205	149	12.37	61	5.06	65	5.39	3	.25	13	1.08
	Males	608	66	10.86	37	6.09	27	4.44	2	.33	6	.99
	Females	595	83	13.95	24	4.03	38	6.39	1	.17	7	1.18
	Unk'n	2	------	------	------	------	------	------	------	------	------	------
Southern-central	Total	2,949	366	12.41	113	3.83	128	4.34	2	.07	29	.98
	Males	1,593	148	9.29	60	3.77	83	5.21	2	.13	18	1.13
	Females	1,348	218	16.17	53	3.93	45	3.34	------	------	11	.82
	Unk'n	8	------	------	------	------	------	------	------	------	------	------
Southeastern	Total	3,270	417	12.75	119	3.64	138	4.22	11	.34	154	4.71
	Males	1,802	216	11.99	70	3.88	77	4.27	3	.17	89	4.94
	Females	1,462	201	13.75	48	3.28	61	4.17	8	.55	65	4.45
	Unk'n	6	------	------	1	16.67	------	------	------	------	------	------

[a] For counties included in each Division, see page 162.

TABLE XXV.—*Exhibiting, for the State, and by Counties, for the Year 1881, the Number of Deaths Returned as having occurred from All Causes, from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea; also the Per Cent. of Deaths from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea, to Deaths from All Causes.*

STATE AND COUNTIES.	All Causes, 1881.	Consumption.		Pneumonia.		Typhoid Fever.		Int'm'nt Fever.		Diarrhea.	
		Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Dea's.	Per Cent. to Deaths from All Causes.
State	19,238	1,954	10.16	805	4.18	884	4.60	44	.23	501	2.60
Alcona	12	2	16.67	.....	.....	1	8.33	.....	.....	.....	.....
Allegan	412	50	12.14	17	4.13	22	5.34	1	.24	7	1.70
Alpena	114	13	11.40	4	3.51	4	3.51	.....	.....	10	8.77
Antrim	75	3	4.00	4	5.33	3	4.00	.....	.....	.....	.....
Baraga	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barry	290	30	1.03	12	4.14	11	3.79	1	.34	7	2.41
Bay	541	51	9.43	23	4.25	15	2.77	1	.18	20	3.70
Benzie	65	3	4.62	.....	.....	1	1.54	.....	.....	1	1.54
Berrien	307	35	11.40	20	6.51	18	5.86	1	.32	5	1.63
Branch	255	38	14.90	15	5.88	18	7.06	.....	.....	1	.39
Calhoun	426	60	14.08	8	1.88	21	4.93	.....	.....	1	.23
Cass	176	24	13.64	10	5.68	10	5.68	.....	.....	.....	.....
Charlevoix	54	5	9.26	8	14.81	1	1.85	.....	.....	1	1.85
Cheboygan	109	9	8.26	7	6.42	4	3.67	.....	.....	11	10.09
Chippewa	10	3	30.00	.....	.....	.....	.....	.....	.....	1	10.00
Clare	66	4	6.06	4	6.06	6	9.09	.....	.....	.....	.....
Clinton	276	27	9.78	11	3.98	11	3.99	.....	.....	2	.36
Crawford	16	2	12.50	.....	.....	2	12.50	.....	.....	.....	.....
Delta	83	3	3.61	3	3.61	1	1.20	2	2.41	.....	.....
Eaton	356	39	10.96	16	4.49	9	2.53	.....	.....	3	.28
Emmet	79	9	11.39	2	2.53	2	2.53	.....	.....	.....	.....
Genesee	409	54	13.20	13	3.18	14	3.42	.....	.....	6	1.47
Gladwin	10	1	10.00	1	10.00	.....	.....	.....	.....	.....	.....
G. Traverse	70	9	12.86	1	1.43	6	8.57	.....	.....	1	1.43
Gratiot	212	17	8.02	9	4.25	9	4.25	2	.94	2	.94
Hillsdale	372	46	12.37	13	3.49	27	7.26	.....	.....	4	1.08
Houghton	243	15	6.17	5	2.06	19	7.82	1	.41	26	10.70
Huron	242	9	3.72	15	6.20	1	.41	.....	.....	10	4.13
Ingham	298	37	12.42	10	3.36	27	9.06	.....	.....	3	1.01
Ionia	300	32	10.67	9	3.00	24	8.00	.....	.....	.....	.....
Iosco	174	5	28.74	4	2.30	7	4.02	.....	.....	2	1.15
Isabella	176	17	9.66	10	5.68	8	4.55	1	.57	.....	.....
Isle Royal.[a]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	407	41	10.07	8	1.97	12	2.95	.....	.....	6	1.47
Kalamazoo	437	46	10.53	24	5.49	13	2.97	.....	.....	6	1.37
Kalkaska	38	4	10.53	2	5.26	.....	.....	.....	.....	.....	.....
Kent	1,022	105	10.27	34	3.33	37	3.62	2	.20	41	4.01
Keweenaw	122	5	4.10	10	8.20	2	1.64	.....	.....	4	3.28
Lake	48	4	8.33	3	6.25	2	4.17	.....	.....	.....	.....
Lapeer	306	22	7.19	18	5.88	17	5.56	1	.32	11	3.59
Leelanaw	96	6	6.25	1	1.04	.....	.....	.....	.....	.....	.....
Lenawee	415	53	12.77	12	2.89	10	2.41	.....	.....	5	1.20

[a] No returns from county clerk to State Department.

TABLE XXV.—CONTINUED.

COUNTIES.	All Causes, 1881.	Consumption.		Pneumonia.		Typhoid Fever.		Int'm'nt Fever.		Diarrhea.	
		Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Dea's.	Per Cent. to Deaths from All Causes.
Livingston	259	25	9.65	7	2.70	9	3.47	.....	.....	6	2.31
Mackinac	19	2	10.53	2	10.53	1	5.26	.....	.....	1	5.26
Macomb	305	30	9.84	9	2.95	28	9.18	1	.33	21	6.89
Manistee	181	13	7.18	10	5.52	5	2.76	.....	.....	9	4.97
Manitou	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marquette	406	14	3.45	11	2.71	35	8.62	1	.25	27	6.65
Mason	184	12	6.52	5	2.72	2	1.09	.....	.....	3	1.63
Mecosta	297	21	7.07	15	5.05	20	6.73	.....	.....	.....	.....
Menominee	150	13	8.67	4	2.67	8	5.33	.....	.....	4	2.67
Midland	83	7	8.43	1	1.20	3	3.61	6	7.23	.....	.....
Missaukee	27	1	3.70	.....	.....	3	1.11	.....	.....	1	3.70
Monroe	346	39	11.27	18	5.20	24	6.94	1	.29	11	3.18
Montcalm	396	36	9.09	18	4.55	19	4.80	.....	.....	2	.51
Montmorency	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Muskegon	462	29	6.28	29	6.28	33	7.14	2	.22	20	4.33
Newaygo	165	15	9.09	11	6.67	7	4.24	.....	.....	5	3.03
Oakland	390	55	14.10	25	6.41	18	4.62	1	.26	3	.77
Oceana	166	6	3.61	2	1.20	3	1.81	2	1.20	.....	.....
Ogemaw	25	2	8.00	1	4.00	1	4.00	1	4.00	1	4.00
Ontonagon	19	.....	.....	1	5.26	5	2.63	.....	.....	.....	.....
Osceola	127	9	7.09	5	3.94	2	1.57	.....	.....	1	.79
Oscoda	11	1	9.09	.....	.....	1	9.09	.....	.....	.....	.....
Otsego	23	1	4.35	.....	.....	1	4.35	.....	.....	1	4.35
Ottawa	420	43	10.24	20	4.76	23	5.48	.....	.....	19	4.52
Presque Isle	38	2	5.26	1	2.63	.....	.....	.....	.....	.....	.....
Roscommon	12	.....	.....	.....	.....	1	8.33	.....	.....	.....	.....
Saginaw	957	106	11.08	49	5.12	43	4.49	1	.10	21	2.19
Sanilac	298	23	7.72	11	3.69	19	6.38	1	.34	4	1.34
Schoolcraft	14	1	7.14	.....	.....	.....	.....	2	14.29	.....	.....
Shiawassee	254	28	11.02	11	4.33	17	6.69	.....	.....	1	.39
St. Clair	464	29	6.25	40	8.62	29	6.25	1	.22	12	2.59
St. Joseph	232	32	13.79	9	3.88	12	5.17	2	.86	2	.86
Tuscola	344	34	9.88	16	4.65	12	3.49	.....	.....	3	.87
Van Buren	310	40	12.90	14	4.52	15	4.84	1	.32	1	.32
Washtenaw	405	50	12.35	24	5.93	15	3.70	.....	.....	4	.99
Wayne	2,229	293	13.14	67	3.01	68	3.05	8	.36	119	5.34
Wexford	73	4	5.48	3	4.11	7	9.59	.....	.....	2	2.74

TABLE XXVI.—*Exhibiting, for the State and Eleven Geographical Divisions of Michigan, by Sex, the Number of Deaths Returned as having occurred at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged Under 5; also the Per Cent. of Deaths from Old Age, of All Aged 70 and Over, and of All Aged Under 5, to Deaths at All Ages, during the Year 1881.*

STATE AND GEOGRAPHICAL DIVISIONS.[a]	SEX.	Deaths at All Ages, 1881.	OLD AGE.		AGED 70 AND OVER.		AGED UNDER 5.	
			Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.
STATE[b]	Total	19,238	725	3.77	2,233	11.61	7,816	40.63
	Males	10,263	360	3.51	1,287	12.54	4,296	41.86
	Females	8,910	365	4.10	940	10.55	3,461	38.84
	Unknown	65	.....	.....	6	9.23	59	90.77
Upper-peninsular	Total	1,084	16	1.48	63	5.81	649	59.87
	Males	622	9	1.45	35	5.63	354	56.91
	Females	441	7	1.59	23	5.22	279	63.27
	Unknown	21	.....	.....	5	23.81	16	76.19
Northwestern	Total	517	6	1.16	41	7.93	240	46.42
	Males	276	2	.72	26	9.42	132	47.83
	Females	239	4	1.67	15	6.28	106	44.35
	Unknown	2	.....	.....	.....	.....	2	100.00
Northern	Total	394	10	2.54	32	8.12	195	49.49
	Males	204	5	2.45	20	9.80	105	51.47
	Females	190	5	2.63	12	6.32	90	47.37
Northeastern	Total	379	4	1.06	25	6.60	208	54.88
	Males	214	1	.47	16	7.48	115	53.74
	Females	165	3	1.82	9	5.45	93	56.36
Western	Total	2,594	65	2.51	187	7.21	1,227	47.30
	Males	1,379	25	1.81	99	7.18	682	49.46
	Females	1,207	40	3.31	88	7.29	537	44.49
	Unknown	8	.....	.....	.....	.....	8	100.00

[a] For counties included in each Division, see page 162.
[b] For counties and townships from which no returns of deaths in 1881 were received, see Exhibit H, page 136; for those in which no deaths occurred, see Exhibit I, page 138.

TABLE XXVI.—CONTINUED.

GEOGRAPHICAL DIVISIONS.*	SEX.	Deaths at All Ages, 1881.	OLD AGE.		AGED 70 AND OVER.		AGED UNDER 5.	
			Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.
Northern-central	Total	644	13	2.02	49	7.61	253	39.29
	Males	346	5	1.45	29	8.38	144	41.62
	Females	296	8	2.70	20	6.76	107	36.15
	Unknown	2	.....	.....	.....	.....	2	100.00
Bay and Eastern	Total	3,152	102	3.24	244	7.74	1,352	42.89
	Males	1,693	54	3.19	142	8.39	745	44.00
	Females	1,451	48	3.31	102	7.03	599	41.28
	Unknown	8	.....	.....	.....	.....	8	100.00
Central	Total	3,050	108	3.54	393	12.89	1,096	35.93
	Males	1,526	44	2.88	215	14.09	574	37.61
	Females	1,516	64	4.22	178	11.74	514	33.91
	Unknown	8	.....	.....	.....	.....	8	100.00
Southwestern	Total	1,205	68	5.64	193	16.02	424	35.19
	Males	608	41	6.74	110	18.09	221	36.35
	Females	595	27	4.54	83	13.95	201	33.78
	Unknown	2	.....	.....	.....	.....	2	100.00
Southern-central	Total	2,949	197	6.68	598	20.28	832	28.21
	Males	1,593	104	6.53	364	22.85	470	29.50
	Females	1,348	93	6.90	234	17.36	354	26.26
	Unknown	8	.....	.....	.....	.....	8	100.00
Southeastern	Total	3,270	136	4.16	408	12.48	1,340	40.98
	Males	1,802	70	3.88	231	12.82	754	41.84
	Females	1,462	66	4.51	176	12.04	581	39.74
	Unknown	6	.....	.....	1	16.67	5	83.33

* For counties included in each Division, see page 162.

TABLE XXVII.—*Exhibiting, for the State and Counties of Michigan, the Number of Deaths Returned as having occurred at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged Under 5; also the Per Cent. of Deaths from Old Age, of All Aged 70 and Over, and of All Aged under 5, to Deaths at All Ages, for the Year 1881.*

STATE AND COUNTIES.	All Ages.	Old Age.		Aged 70 and Over.		Aged Under 5.	
	Number of Deaths.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.
STATE	19,238	725	3.77	2,233	11.61	7,816	40.63
Alcona	12	.....	.....	1	8.33	6	50.00
Allegan	412	30	7.28	59	14.32	153	37.14
Alpena	114	1	.88	10	8.77	71	62.28
Antrim	75	1	1.33	6	8.00	29	38.67
Baraga	18	.....	.....	.....	.....	8	44.44
Barry	290	9	3.10	35	12.07	108	37.24
Bay	541	4	.74	10	1.85	275	50.83
Benzie	65	.....	.....	11	16.92	22	33.85
Berrien	307	16	5.21	59	19.22	97	31.60
Branch	255	15	5.88	66	25.88	61	23.92
Calhoun	426	29	6.81	92	21.60	118	27.70
Cass	176	10	5.68	32	18.18	61	34.66
Charlevoix	54	3	5.56	7	12.96	26	48.15
Cheboygan	109	.....	.....	6	5.50	60	55.05
Ch ppewa	10	1	10.00	1	10.00	5	50.00
Clare	66	2	3.03	9	13.64	19	28.79
Clinton	276	9	3.26	40	14.49	96	34.78
Crawford	16	.....	.....	.....	.....	7	43.75
Delta	83	.....	.....	5	6.02	40	48.19
Eaton	356	10	2.81	47	13.20	138	38.76
Emmet	79	4	5.06	9	11.39	43	54.43
Genesee	409	17	4.16	69	16.87	130	31.78
Gladwin	10	.....	.....	1	10.00	1	10.00
Grand Traverse	70	1	1.43	8	11.43	27	38.57
Gratiot	212	7	3.30	22	10.38	96	45.28
Hillsdale	372	32	8.60	85	22.85	75	20.16
Houghton	243	5	2.06	8	3.29	179	73.66
Huron	242	8	3.31	27	11.16	103	42.56
Ingham	298	13	4.36	33	11.07	89	29.87
Ionia	300	12	4.00	34	11.33	101	33.67
Iosco	174	2	1.15	6	3.45	92	52.87
Isabella	176	7	3.98	15	8.52	81	46.02
Isle Royal[a]	.....	.....	.....	.....	.....	.....	.....
Jackson	407	20	4.91	60	14.74	159	39.07
Kalamazoo	437	22	5.03	64	14.65	132	30.21
Kalkaska	38	.....	.....	1	2.63	16	42.11
Kent	1,022	27	2.64	71	6.95	478	46.77
Keweenaw	122	1	.82	14	11.48	68	55.74
Lake	48	.....	.....	6	12.50	21	43.75
Lapeer	306	10	3.27	39	12.75	128	41.83

[a] No returns from county clerk to State Department.

TABLE XXVII.—CONTINUED.

COUNTIES.	All Ages.	Old Age.		Aged 70 and Over.		Aged Under 5.	
	Number of Deaths.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.
Leelanaw	96	2	2.08	8	8.33	29	30.21
Lenawee	415	31	7.47	100	24.10	114	27.47
Livingston	259	10	3.86	48	18.53	83	32.05
Mackinac	19	.....	.....	.....	.....	6	31.58
Macomb	305	14	4.59	50	16.39	112	36.72
Manistee	181	2	1.10	7	3.87	109	60.22
Manitou	5	1	20.00	2	40.00	2	40.00
Marquette	406	6	1.48	10	2.46	245	60.34
Mason	184	5	2.72	14	7.61	88	47.83
Mecosta	297	2	.67	9	3.03	112	37.71
Menominee	150	2	1.33	19	12.67	85	56.67
Midland	83	2	2.41	15	18.07	32	38.55
Missaukee	27	.....	.....	2	7.41	13	48.15
Monroe	346	14	4.05	52	15.03	138	39.88
Montcalm	396	12	3.03	24	6.06	169	42.68
Montmorency	5	.....	.....	.....	.....	3	60.00
Muskegon	462	4	.87	19	4.11	252	54.55
Newaygo	165	2	1.21	6	3.64	61	37.01
Oakland	390	20	5.13	82	21.03	88	22.56
Oceana	166	6	3.61	11	6.63	82	49.40
Ogemaw	25	.....	.....	4	16.00	14	56.00
Ontonagon	19	.....	.....	3	15.79	7	36.84
Osceola	127	2	1.57	10	7.87	64	50.39
Oscoda	11	.....	.....	.....	.....	5	45.45
Otsego	23	2	8.70	3	13.04	14	60.87
Ottawa	420	19	4.52	50	11.90	181	43.10
Presque Isle	38	1	2.63	4	10.53	17	44.74
Roscommon	12	.....	.....	.....	.....	8	66.67
Saginaw	957	30	3.13	60	6.27	404	42.22
Sanilac	298	7	2.35	17	5.70	117	39.26
Schoolcraft	14	1	7.14	3	21.43	6	42.86
Shiawassee	254	9	3.54	41	16.14	86	33.86
St. Clair	464	30	6.47	63	13.58	175	37.72
St. Joseph	232	9	3.88	38	16.38	73	31.47
Tuscola	344	13	3.78	28	8.14	150	43.60
Van Buren	310	12	3.87	43	13.87	113	36.45
Washtenaw	405	39	9.63	93	22.96	100	24.69
Wayne	2,229	88	3.95	224	10.05	1,002	44.95
Wexford	73	.....	.....	3	4.11	38	52.05

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1881.*

Months, 1881.													Year, 1881.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1881.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
13	21	31	43	36	20	20	28	21	26	23	31	3	316	Total	Class I. Cultivators of the Earth.	1	..	2	22	37	28	25	24	20	17	23	19	22	23	24	15	5	9
7	15	22	28	26	11	11	19	13	17	12	21	3	205	Married		....	..	..	....	3	14	17	19	19	17	22	18	20	19	16	11	2	8
4	5	8	13	7	5	8	8	6	6	11	8	..	89	Single		1	..	2	21	33	13	8	5	1	....	..	..	..	2	2	1	..	..
2	1	1	1	3	3	....	1	2	3	....	2	..	19	Widowed		....	..	..	....	1	....	....	....	....	....	1	1	2	2	6	3	3	..
....	....	....	1	....	1	1	....	....	....	....	....	..	3	Unknown		....	..	..	1	....	1	....	....	....	....	..	..	..	..	..	..	..	1
3	2	2	5	3	2	3	4	6	3	3	5	..	41	Total	Class II. Active Mechanics Abroad.	....	..	..	2	2	5	6	6	2	1	5	2	5	1	2	2	..	..
3	2	2	4	1	2	1	2	5	1	....	5	..	28	Married		....	..	..	....	1	2	4	4	2	1	5	2	4	1	1	1	..	..
....	....	....	1	2	....	2	....	1	2	1	....	..	9	Single		....	..	..	2	1	3	2	....	....	....	..	..	..	..	..	1	..	..
....	....	....	....	....	....	....	2	....	....	....	....	..	2	Widowed		....	..	..	....	....	....	....	....	....	....	..	..	1	..	1	..	..	..
....	....	....	....	....	....	....	....	....	....	2	....	..	2	Unknown		....	..	..	....	....	....	....	2	....	....	..	..	..	..	..	..	..	..
7	5	9	5	7	4	7	2	1	2	5	5	..	59	Total	Class III. Active Mechanics in Shops.	....	..	..	5	11	12	9	4	5	3	3	2	5	..	..	..	..	..
4	2	7	2	6	....	5	2	1	2	2	1	..	34	Married		....	..	..	....	3	7	4	3	5	3	2	2	5	..	..	..	..	..
2	3	2	3	1	2	2	....	....	....	3	4	..	22	Single		....	..	..	4	8	5	5	....	....	....	..	..	..	..	..	..	..	..
1	....	....	....	....	1	....	....	....	....	....	....	..	2	Widowed		....	..	..	....	....	....	....	1	....	....	1	..	..	..	..	..	..	..
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Unknown		....	..	..	1	....	....	....	....	....	....	..	..	..	..	..	..	..	..
1	5	1	2	2	2	1	1	3	3	3	6	..	30	Total	Class IV. Inactive Mechanics in Shops.	....	..	..	1	3	5	4	5	5	2	2	1	..	..	2	..	..	..
1	2	....	2	1	1	1	....	3	3	1	4	..	19	Married		....	..	..	....	1	4	2	4	5	....	1	1	..	..	1	..	..	..
....	2	....	....	1	1	....	1	....	....	1	2	..	8	Single		....	..	..	1	2	1	1	1	....	1	1	..	..	..	..	..	..	..
....	1	1	....	....	....	....	....	....	....	1	....	..	3	Widowed		....	..	..	....	....	....	1	....	....	1	..	..	..	..	1	..	..	..
3	13	10	21	11	8	11	11	13	8	17	17	..	143	Total	Class V.	....	1	..	11	31	25	16	16	11	6	3	6	5	6	2	1	1	2
1	3	5	5	5	5	7	7	6	3	6	7	..	60	Married		....	..	..	....	3	15	7	9	5	4	3	4	3	5	1	..	1	..

2	9	5	15	6	2	4	4	6	5	8	9	..	75	Single	Laborers—No Special Trades.	....	1	..	11	27	10	8	6	6	2	..	2	1	..	..	..	..	1
....	..		1	....	1	....	....	..	....	2	....	..	4	Widowed		....	..	..	..	..	..	....	....	....	..	..	..	..	1	1	1	1	..	..
....	1		....	....	..	....	....	1	....	1	1	..	4	Unknown		....	..	..	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	1
1	3	4	5	5	7	5	4	..	4	2	3	..	43	Total	CLASS VI. Agents, Laborers Abroad, etc.	....	..	1	3	5	10	2	2	2	5	3	2	1	4	1	..	1	1
1	1	2	3	2	5	5	....	..	2	1	1	..	23	Married		....	..	..	..	..	2	2	2	2	4	3	1	1	3	1	..	1	1
....	2	2	2	3	2	....	4	..	1	1	2	..	19	Single		....	..	1	3	5	8	....	....	..	1	..	..	..	1	..	..	..	..
....	..	..	....	....	..	....	....	..	1	....	..	..	1	Widowed		....	..	..	..	..	..	....	....	..	..	..	1	..	..	..	..	..	..
....	2	....	....	....	..	....	....	..	....	....	..	..	2	Single	CLASS VII. Seafaring Men.	....	..	..	..	..	..	1	....	..	1	..	..	..	..	..	..	..	..
....	..	..	....	....	..	....	....	..	....	....	..	..	.....	.....	CLASS VIII. Soldiers.	....	..	..	..	..	..	....	....	..	..	..	..	..	..	..	..	..	..
....	..	..	....	....	..	....	....	..	....	....	..	..	.....	.....		....	..	..	..	..	..	....	....	..	..	..	..	..	..	..	..	..	..
7	2	3	4	1	2	7	2	2	5	7	8	..	50	Total	CLASS IX. Business Men.	....	..	..	2	8	13	4	7	8	1	2	..	4	..	..	..	..	1
3	1	2	2	1	1	5	1	..	3	1	6	..	26	Married		....	..	..	..	..	7	3	4	5	1	2	..	3	..	..	..	..	1
4	1	1	2	....	1	2	1	1	2	5	1	..	21	Single		....	..	..	2	8	5	1	2	2	..	..	..	1	..	..	..	..	..
....	..	..	....	....	..	....	....	1	....	1	1	..	3	Widowed		....	..	..	..	..	1	....	1	1	..	..	..	..	..	..	..	..	..
1	1	4	1	2	4	2	1	1	2	1	2	..	22	Total	CLASS X. Professional Men.	....	..	2	1	3	4	2	1	3	1	..	2	1	1	..	1	..	..
....	..	4	1	1	2	....	....	1	....	1	..	..	10	Married		....	..	..	..	..	1	1	1	3	1	..	2	1	..	..	..	..	..
....	1	..	....	1	2	2	....	..	2	....	2	..	10	Single		....	..	2	1	3	3	1	....	..	..	..	..	..	..	..	..	..	..
1	..	..	....	....	..	....	1	..	....	..	..	..	2	Widowed		....	..	..	..	..	..	....	..	..	..	..	..	1	..	1	..	..	..
3	10	12	8	6	8	9	11	11	10	11	5	..	104	Total	CLASS XI. Unemployed.	63	11	3	9	6	4	....	....	1	2	1	..	1	1	1	..	..	1
1	2	1	..	1	..	....	....	..	....	1	..	..	6	Married		....	..	..	1	1	..	....	....	..	1	1	..	..	1	..	..	..	1
2	8	11	8	5	8	9	11	11	10	10	5	..	98	Single		63	11	3	8	5	4	....	....	1	1	..	..	1	..	1	..	..	..
13	21	31	43	36	20	20	28	21	26	23	31	3	316	.....	CLASS I.	1	..	2	22	37	28	25	24	20	17	23	19	22	23	24	15	5	9
13	21	31	42	36	20	20	26	21	26	22	29	3	310	Total	Farmers.	1	..	1	20	36	27	25	24	20	17	23	19	22	22	24	15	5	9
7	15	22	28	26	11	11	18	13	17	12	21	3	204	Married		....	..	..	..	3	14	17	19	19	17	22	18	20	18	16	11	2	8
4	5	8	12	7	5	8	7	6	6	10	6	..	84	Single		1	..	1	19	32	12	8	5	1	..	..	..	..	2	2	1	..	..
2	1	1	1	3	3	....	1	2	3	....	2	..	19	Widowed		....	..	..	..	1	..	....	....	..	..	1	1	2	2	6	3	3	..
....	....	....	1	..	1	1	....	..	....	....	....	..	3	Unknown		....	..	..	1	..	1	....	....	..	..	..	..	..	..	..	..	..	1

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1881.*

Months, 1881.													Year, 1881.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1881.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
....	....	....	1	....	....	....	1	....	....	....	1	..	3	Single	Farm Laborers.	....	..	..	2	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	1	..	2	Single	Farmers' Sons.	....	..	1	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	1	....	....	....	....	..	1	Married	Fruit Growers.	....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..
3	2	2	5	3	2	3	4	6	3	3	5	..	41		CLASS II.	....	..	..	2	2	5	6	6	2	1	5	2	5	1	2	2	..	..
2	1	2	1	2	1	2	3	6	1	2	5	..	28	Total	Carpenters.	....	..	..	2	1	2	3	5	2	1	4	1	5	..	1	1	..	..
2	1	2	1	1	1	1	1	5	....	....	5	..	20	Married		....	..	..	....	1	1	2	4	2	1	4	1	4	..	..	..	..	..
....	....	....	....	1	....	1	....	1	1	1	....	..	5	Single		....	..	..	2	....	1	1	....	....	....	..	..	..	..	..	1	..	..
....	....	....	....	....	....	....	2	....	....	....	....	..	2	Widowed		....	..	..	....	....	....	....	....	....	....	..	..	1	..	1	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Unknown		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	....	....	1	....	1	....	1	....	....	....	....	..	3	Married	Masons.	....	..	..	....	....	....	....	....	....	....	..	1	..	1	1	..	..	..
1	1	..	3	1	....	1	....	....	2	1	....	..	10	Total	Painters.	....	..	..	....	1	3	3	1	....	....	1	..	..	..	..	1	..	..
1	1	..	2	....	....	....	....	....	1	....	....	..	5	Married		....	..	..	....	....	1	2	....	....	....	1	..	..	..	..	1	..	..
....	....	..	1	1	....	1	....	....	1	....	....	..	4	Single		....	..	..	....	1	2	1	....	....	....	..	..	..	..	..	..	..	..
....	....	..	....	....	....	....	....	....	....	1	....	..	1	Unknown		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
7	5	9	5	7	4	7	2	1	2	5	5	..	59		CLASS III.	....	..	..	5	11	12	9	4	5	3	3	2	5	..	..	..	..	..
....	1	..	....	....	1	....	....	....	....	....	....	..	2	Total	Bakers.	....	..	..	....	....	....	1	1	....	....	..	..	..	..	..	..	..	..
....	1	..	....	....	....	....	....	....	....	....	....	..	1	Single		....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
....	....	..	....	....	1	....	....	....	....	....	....	..	1	Widowed		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	....	2	1	1	....	....	....	....	1	1	1	..	7	Total	Blacksmiths.	....	..	..	....	....	2	2	....	....	1	..	1	1	..	..	..	..	..
....	....	2	....	1	....	....	....	....	1	....	....	..	4	Married		....	..	..	....	....	1	....	....	....	1	..	1	1	..	..	..	..	..
....	....	..	1	....	....	....	....	....	....	1	1	..	3	Single		....	..	..	....	....	1	2	....	....	....	..	..	..	..	..	..	..	..

											1	Married...	Brewers.															1						
		3									4	Total.....	Cabinet-makers.				2						1												
		2									3	Married...					1						1												
		1									1	Single.....					1																		
									1		1	Single.....	Carvers.																						
				1					1		2	Single.....	Confectioners.				2																		
									1		1	Married...	Cooks.																						
				1							2	Married...	Coopers.										1												
											1	Married...	Engineers.																						
											1	Single.....	Feather Renovators.				1																		
								1			1	Married...	Lumber Sawyers.				1																		
	1	1			2						6	Total.....	Machinists.			2	1			2															
		1									2	Married...								2															
	1										3	Single.....				1	1																		
											1	Unknown..				1																			
1		1									4	Total.....	Mechanics.			1			1	1	1														
1		1									2	Married...								1	1														
											2	Single.....				1			1																
1											3	Total.....	Millers.				1						1												
											2	Married...					1																		
1											1	Widowed..											1												
1		1		1							4	Total.....	Molders.			1	1		1																
1				1							2	Married...							1																
		1									2	Single.....				1	1																		
		1									1	Married...	Plasterers.															1							
1											1	Single.....	Polishers.			1																			
			1								1	Married...	Sawyers.																						

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1881.*

Months, 1881.													Year, 1881.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1881.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
....	1	....	....	....	....	....	....	....	....	....	....	..	1	Single	Silver Gilders.	....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	....	....	....	....	....	..	1	Married	Stave-makers.	....	..	..	....	....	....	....	....	....	....	..	..	1	..	..	..	..	..
....	.	....	1	1	....	....	....	....	....	....	....	..	2	Married	Stone-cutters.	....	..	..	....	....	1	1	....	....	....	..	..	..	..	..	..	..	..
1	.	....	....	1	....	....	....	1	....	....	1	..	4	Total	Stone-masons.	....	..	..	....	....	1	....	....	....	1	..	1	1	..	..	..	..	..
1	.	....	....	1	....	....	....	1	....	....	....	..	3	Married		....	..	..	....	....	....	....	....	....	1	..	1	1	..	..	..	..	..
....	.	....	....	....	....	....	....	....	....	....	1	..	1	Single		....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	1	....	1	1	....	1	....	....	....	....	....	..	4	Total	Tinners.	....	..	..	....	....	1	3	....	....	....	..	..	..	..	..	..	..	..
....	1	....	....	1	....	1	....	....	....	....	....	..	3	Married		....	..	..	....	....	1	2	....	....	....	..	..	..	..	..	..	..	..
....	.	....	1	....	....	....	....	....	....	....	....	..	1	Single		....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
1	.	....	....	....	....	....	....	....	....	....	....	..	1	Single	Upholsterers.	....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
1	.	....	1	....	....	....	....	....	....	1	....	..	3	Total	Wagon-makers.	....	..	..	....	....	1	....	....	2	....	..	..	..	..	..	..	..	..
1	.	....	....	....	....	....	....	....	....	1	....	..	2	Married		....	..	..	....	....	....	....	....	2	....	..	..	..	..	..	..	..	..
....	.	....	1	....	....	....	....	....	....	....	....	..	1	Single		....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
1	5	1	2	2	2	....	....	3	3	1	5	..	25	.....	CLASS IV.	....	..	..	1	1	5	3	5	4	1	2	1	..	..	2	..	..	..
....	.	1	1	1	....	....	....	....	2	1	1	..	7	Total	Barbers.	....	..	..	....	....	3	1	1	....	1	..	1	..	..	..	..	..	..
....	.	....	1	....	....	....	....	....	2	....	....	..	3	Married		....	..	..	....	....	2	....	....	....	....	..	1	..	..	..	..	..	..
....	.	....	....	1	....	....	....	....	....	....	1	..	2	Single		....	..	..	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..
....	.	1	....	....	....	....	....	....	....	1	....	..	2	Widowed		....	..	..	....	....	....	1	....	....	1	..	..	..	..	..	..	..	..
....	.	....	....	....	....	....	....	3	....	....	3	..	6	Total	Cigar-makers.	....	..	..	....	....	2	....	3	....	....	1	..	..	..	..	..	..	..
....	.	....	....	....	....	....	....	3	....	....	2	..	5	Married		....	..	..	....	....	2	....	3	....	....	..	..	..	..	..	..	..	..
....	.	....	....	....	....	....	....	....	....	....	1	..	1	Single		....	..	..	....	....	....	....	....	....	....	1	..	..	..	..	..	..	..

1	....		....	1	....	..	....	..	.	....	1	..	3	Married...	Harness-makers	....	..	..	....	.	..	..	1	2	.	.	.	..	..	.	..	..	..
....	1		....	....	1	..	....	..	.	....	..	..	2	Total.....	Jewelers.	....	..	..	....	1	..	..	..	1	.	.	.	..	..	.	..	..	..
....	1		....	....	....	..	....	..	.	....	..	..	1	Married...		....	..	..	....	....	..	..	..	1	.	.	.	..	..	.	..	..	..
....	....		....	....	1	..	....	..	.	....	..	..	1	Single.....		....	..	..	....	1	..	..	..	....	.	.	.	..	..	.	..	..	..
....	4		1	....	1	..	....	..	1	....	..	..	7	Total.....	Shoe-makers.	....	..	..	1	.	..	2	..	1	.	1	.	..	..	2	..	..	..
....	1		1	....	1	..	....	..	1	....	..	..	4	Married...		....	..	..	....	.	..	1	..	1	.	1	.	..	..	1	..	..	..
....	2		....	....	....	..	....	..	.	....	..	..	2	Single.....		....	..	..	1	.	..	1	..	....	.	.	.	..	..	.	..	..	..
....	1		....	....	....	..	....	..	.	....	..	..	1	Widowed.		....	..	..	....	.	..	..	..	....	.	.	.	..	..	1	..	..	..
3	13	10	21	11	8	11	11	13	8	17	17	..	143	.....	CLASS V.	....	1	..	11	31	25	16	16	11	6	3	6	5	6	2	1	1	2
....	....		....	....	....	..	....	..	.	....	1	..	1	Married...	Choppers.	....	..	..	....	.	..	..	..	1	.	.	.	..	..	.	..	..	..
....	....		....	....	....	..	....	..	.	....	1	..	1	Single.....	Janitors.	....	..	..	....	.	..	..	..	....	.	.	1	..	..	.	..	..	..
3	13	9	21	11	8	11	11	12	7	17	14	..	137	Total.....	Laborers.	....	1	..	11	31	23	16	16	9	6	3	5	5	5	2	1	1	2
1	3	4	5	5	5	7	7	5	3	6	6	..	57	Married...		....	..	..	....	3	14	7	9	4	4	3	4	3	4	1	..	1	..
2	9	5	15	6	2	4	4	6	4	8	7	..	72	Single.....		....	1	..	11	27	9	8	6	5	2	.	1	1	..	.	..	..	1
....	....		1	....	1	..	....	..	.	2	..	..	4	Widowed.		....	..	..	....	.	..	..	..	....	.	.	.	1	1	1	1	..	..
....	1		....	....	....	..	....	1	.	1	1	..	4	Unknown.		....	..	..	....		..	1	1	....	.	.	.	..	..	.	..	..	1
....	....		....	....	....	..	....	..	1	....	..	..	1	Single.....	Miscellaneous.	....	..	..	....		..	..	..	1	.	.	.	..	..	.	..	..	..
....	....		....	....	....	..	....	..	.	....	..	..	1	Married...	Porters.	....	..	..	....		1	..	..	....	.	.	.	..	..	.	..	..	..
....	....		....	....	....	..	....	1	.	....	..	..	1	Married...	Servants.	....	..	..	....		..	..	..	....	.	.	.	..	1	.	..	..	..
....	....		....	....	....	..	....	..	.	....	1	..	1	Single.....	Woodsmen.	....	..	..	....		1	..	..	....	.	.	.	..	..	.	..	..	..
1	3	4	5	5	7	5	4	..	4	2	3	..	43	.....	CLASS VI.	....	..	1	3	5	10	2	2	2	5	3	2	1	4	1	..	1	1
....	....		....	....	1	..	....	..	.	....	..	..	1	Single.....	Baggage-masters.	....	..	..	....		1	.	..	....	.	.	.	..	..	.	..	..	..
....	1		....	....	....	..	....	..	.	1	..	..	2	Single.....	Bar-keepers.	....	..	..	....		2	.	..	....	.	.	.	..	..	.	..	..	..
....	....		1	....	....	..	....	..	.	....	..	..	1	Single.....	Brakemen.	....	..	..	1		..	.		....	....	.	.	..	..	.	..	..	..
....	....	2	1	....	....	..	....	..	....	....	1	..	4	Total.....	Butchers.	....	..	..	1		1	.		....	1	.	.	..	..	.	..	..	..
....	....		1	....	....	..	....	..	.	....	1	..	2	Married...		....	..	..	....		1	.		....	1	.	.	..	..	.	..	..	..
....	....	2	....	....	....	..	....	..	.	....	..	..	2	Single.....		....	..	..	1		..	.		....	....	.	.	..	..	.	..	..	..

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1881.*

Months, 1881.													Year, 1881.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1881.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Married	Coal Miners.	....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Married	Conductors.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
....	1	....	....	....	....	1	....	....	....	....	1	..	3	Total	Draymen.	....	..	..	....	....	....	....	....	....	....	1	..	..	2	..	..	..	..
....	1	....	....	....	....	1	....	....	....	....	....	..	2	Married		....	..	..	....	....	....	....	....	....	....	1	..	..	1	..	..	..	..
....	....	....	....	....	....	....	....	....	....	....	1	..	1	Single		....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..
....	....	1	....	1	....	....	....	....	....	....	....	..	2	Married	Drovers.	....	..	..	....	....	....	....	....	....	....	1	..	..	1	..	..	..	..
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Married	Hackmen.	....	..	..	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	1	....	....	..	1	Widowed	Hostlers.	....	..	..	....	....	....	....	....	....	....	..	1	..	..	..	..	..	..
....	....	....	1	....	1	....	....	....	....	....	....	..	2	Total	Hunters.	....	..	1	....	....	....	....	....	....	....	..	..	..	..	..	..	1	..
....	....	....	1	....	....	....	....	....	....	....	....	..	1	Married		....	..	..	....	....	....	....	....	....	....	..	..	..	..	..	..	1	..
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Single		....	..	1	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..
....	1	1	1	1	2	....	....	....	....	....	....	..	6	Total	Lumbermen.	....	..	..	....	....	2	....	....	....	1	..	..	1	1	..	..	..	1
....	....	1	....	1	2	....	....	....	....	....	....	..	4	Married		....	..	..	....	....	....	....	....	....	1	..	..	1	1	..	..	..	1
....	1	....	1	....	....	....	....	....	....	....	....	..	2	Single		....	..	..	....	....	2	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	1	....	2	....	2	1	1	..	7	Total	Miners.	....	..	..	....	....	2	1	1	....	2	..	1	..	..	..	..	..	..
....	....	....	....	....	1	....	....	....	2	1	....	..	4	Married		....	..	..	....	....	....	1	1	....	1	..	1	..	..	..	..	..	..
....	....	....	....	....	....	....	2	....	....	....	1	..	3	Single		....	..	..	....	....	2	....	....	....	1	..	..	..	..	..	..	..	..
....	....	....	....	3	....	1	....	....	....	....	....	..	4	Total	Peddlers.	....	..	..	....	2	1	....	....	....	....	1	..	..	..	..	..	..	..
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Married		....	..	..	....	....	....	....	....	....	....	1	..	..	..	..	..	..	..
....	....	....	....	3	....	....	....	....	....	....	....	..	3	Single		....	..	..	....	2	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	1	....	....	....	....	..	1	Single	Reporters.	....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..

....	....	....	....	....	....	1	....		.	....	....		1	Married...	Station Agents.	....	..	..			1	....	....	....	....	..	..	..	..	..
....	....	....	1	....	....	....	1		1	....	....		3	Total.....	Teamsters.	....	..	..			....	....	....	....	....	..	..	..	..	..
....	....	....	1	....	....	....	....		.	....	....		1	Married...		....	..	..			....	....	....	....	....	..	..	..	..	..
....	....	....	....	....	....	....	1		1	....	....		2	Single.....		....	..	..			....	....	....	....	....	..	..	..	..	..
....	....	....	....	....	....	1	....		.	....	....		1	Married...	Traveling Men.	....	..	..			....	1	....	....	....	..	..	..	..	..
1	....	....	....	....	....	....	....		.	....	....		1	Married...	Watchmen.	....	..	..			....	....	....	1	....	..	..	..	..	..
....	2	....	....	....	....	....	....		.	....	....		2	.....	CLASS VII.	....	..	..			....	1	....	....	1	..	..	..	..	..
....	1	....	....	....	....	....	....		.	....	....		1	Single.....	Boatmen.	....	..	..			....	....	....	....	1	..	..	..	..	..
....	1	....	....	....	....	....	....		.	....	....		1	Single.....	Sailors.	....	..	..			....	1	....	....	....	..	..	..	..	..
....	....	....	....	....	....	....	....		.	....	....	------		.....	CLASS VIII.	....	..	..			....	....	....	....	....	..	..	..	..	..
7	2	3	4	1	2	7	2	2	5	7	8		50	.....	CLASS IX.	....	..	..	2	8	13	4	7	8	1	..	..	..	..	1
....	....	....	....	....	....	1	....		.	1	....		2	Total.....	Agents.	....	..	..			....	....	1	....	....	..	..	..	..	..
....	....	....	....	....	....	1	....		.	....	....		1	Married...		....	..	..			....	....	....	....	....	..	..	..	..	..
....	....	....	....	....	....	....	....		.	1	....		1	Widowed..		....	..	..			....	....	1	....	....	..	..	..	..	..
1	....	2	1	....	1	1	....		.	1	....		7	Total.....	Book-keepers.	....	..	..		2	3	....	1	1	....	..	..	..	..	..
1	....	1	....	....	1	....	....		.	....	....		3	Married...		....	..	..			1	....	1	1	....	..	..	..	..	..
....	....	1	1	....	....	1	....		.	1	....		4	Single.....		....	..	..		2	2	....	....	....	....	..	..	..	..	..
....	....	....	....	....	....	....	....		.	....	1		1	Married...	Cigar Manufacturers.	....	..	..			1	....	....	....	....	..	..	..	..	..
....	....	....	....	....	....	....	....		.	....	1		1	Married...	"Civil Office."	....	..	..			....	1	....	....	....	..	..	..	..	..
4	1	....	....	1	1	1	....		1	2	2		14	Total.....	Clerks.	....	..	..	2	5	3	....	....	3	....	..	..	..	..	1
....	....	....	....	1	....	....	....		.	....	....		1	Married...		....	..	..			....	....	....	....	....	..	..	..	..	1
4	1	....	....	....	1	1	....		1	2	1		11	Single.....		....	..	..	2	5	2	....	....	2	....	..	..	..	..	..
....	....	....	....	....	....	....	....		.	....	1		2	Widowed..		....	..	..			1	....	....	1	....	..	..	..	..	..
....	....	....	....	....	....	....	....		.	....	2		3	Total.....	Druggists.	....	..	..			....	1	....	....	....	..	..	..	..	..
....	....	....	....	....	....	....	....		.	....	2		2	Married...		....	..	..			....	1	....	....	....	..	..	..	..	..
....	....	....	....	....	....	....	....		.	....	....		1	Single.....		....	..	..			....	....	....	....	....	..	..	..	..	..

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1881.*

Months, 1881.													Year, 1881.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1881.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Married...	Ex-Co. Treasurer.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	1	....	....	....	1	..	3	Married...	Grocers.	....	..	..	....	....	2	....	....	....	....	1	..	..	..	..	..	..	..
1	....	....	....	....	....	....	....	....	1	....	....	..	2	Married...	Hotel-keepers.	....	..	..	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..
....	....	....	1	....	....	1	1	....	....	2	1	..	6	Total.....	Merchants.	....	..	..	....	....	2	1	2	....	....	..	..	1	..	..	..	..	..
....	....	....	1	....	....	1	....	....	....	....	1	..	3	Married...		....	..	..	....	....	2	....	1	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	1	....	....	2	....	..	3	Single.....		....	..	..	....	....	....	1	1	....	....	..	..	1	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Married...	Notion Dealers.	....	..	..	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Married..	Produce Shippers.	....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Married...	Salesmen.	....	..	..	....	....	....	....	....	....	....	1	..	..	..	..	..	..	..
....	....	....	2	....	....	1	....	....	2	....	....	..	5	Total.....	Saloon-keepers.	....	..	..	....	....	....	1	1	3	....	..	..	..	..	..	..	..	..
....	....	....	1	....	....	1	....	....	2	....	....	..	4	Married...		....	..	..	....	....	....	1	....	3	....	..	..	..	..	..	..	..	..
....	....	....	1	....	....	....	....	....	....	....	....	..	1	Single.....		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	1	....	....	..	1	Single.....	Sash and Blind Manufacturers.	....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
1	....	....	....	....	....	....	....	....	....	....	....	..	1	Married...	U. S. Marshals.	....	..	..	....	....	....	....	....	....	....	..	..	1	..	..	..	..	..
1	1	4	1	2	4	2	1	1	2	1	2	..	22	.....	CLASS X.	....	..	2	1	3	4	2	1	3	1	..	2	1	1	..	1	..	..
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Single.....	Artists.	....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	1	....	....	....	....	..	1	Widowed..	Dentists.	....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..
....	1	....	....	1	1	....	....	....	....	1	....	..	4	Total.....	Lawyers.	....	..	..	....	....	....	1	....	2	....	..	1	..	..	..	..	..	..
....	....	....	....	1	1	....	....	....	....	1	....	..	3	Married...		....	..	..	....	....	....	....	....	2	....	..	1	..	..	..	..	..	..
....	1	....	....	....	....	....	....	....	....	....	....	..	1	Single.....		....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..

1	..	2	...	....	..	...	....	...	....	..	....	..	3	Total.....	Ministers.	....	..	..	....	....	....	...	1	....	....	..	1	..	..	..	1	..	..
....	..	2	...	....	..	...	....	...	....	..	....	..	2	Married...		....	..	..	....	....	....	...	1	....	....	..	1	..	..	..	..	..	..
1	..	..	...	....	..	...	....	...	....	..	....	..	1	Widowed..		....	..	..	....	....	....	...	....	....	....	..	..	..	..	..	1	..	..
....	..	..	1	....	..	...	....		....	..	....	..	2	Married...	Musicians.	....	..	..	....	....	....	...	....	1	....	..	..	1	..	..	..	..	..
....	..	2	...	....	1	...	....	...	1	..	....	..	4	Total.....	Physicians.	....	..	..	....	....	2		....	....	1	..	..	..	..	..	..	..	..
....	..	2	...	....	1	...	....	...	....	..	....	..	3	Married...		....	..	..	....	....	1		....	....	1	..	..	..	..	..	..	..	..
....	..	..	...	....	..	...	....	...	1	..	....	..	1	Single.....		....	..	..	....	....	1	...	....	....	....	..	..	..	..	..	..	..	..
....	..	..	...	1	2		...	...	1	..	....	..	5	Single.....	Students.	....	..	2	1	1	1	...	....	....	....	..	..	..	..	..	..	..	..
....	..	..	...	....	..	...	....	...	....	..	2	..	2	Single.....	Teachers.	....	..	..	....	2	....	...	....	....	....	..	..	..	..	..	..	..	..
3	10	12	8	6	9	10	12	11	10	13	6	..	110	.....	CLASS XI.	63	11	3	9	8	4		....	2	3	1	..	1	1	2	..	..	1
....	1	..	...	....	..	...	....	...	....	1	....	..	2	Total.....	Paupers.	....	..	..	....	....	....	...	....	....	1	1	..	..	..	..	..	..	..
....	1	..	...	....	..	...	....	...	....	..	....	..	1	Married...		....	..	..	....	....	....	...	....	....	....	1	..	..	..	..	..	..	..
....	..	..	...	....	..	...	....	...	....	1	....	..	1	Single.....		....	..	..	....	....	....	...	....	....	1	..	..	..	..	..	..	..	..
3	9	12	8	6	7	9	11	11	10	10	5	..	101	Total.....	Unemployed.	63	11	3	9	6	4	...	....	1	1	..	..	1	1	..	..	..	1
1	1	1	...	1	..	...	....	...	....	1	....	..	5	Married...		....	..	..	1	1	....	...	....	....	1	..	..	..	1	..	..	..	1
2	8	11	8	5	7	9	11	11	10	9	5	..	96	Single.....		63	11	3	8	5	4	...	....	1	....	..	..	1	..	..	..	..	..
....	..	..	...	....	1		1	...	....	2	1	..	6	Total.....	Retired.	....	..	..	....	2	....		....	1	1	..	..	..	..	1	..	..	..
....	..	..	...	....	..		....	...	....	1	1	..	3	Married...		....	..	..	....	1	....		....	1	....	..	..	..	..	..	..	..	..
....	..	..	..	....	1	...	1	...	....	1	....	..	3	Single.....		....	..	..	....	1	....	...	....	....	1	..	..	..	..	1	..	..	..
63	49	64	81	88	69	75	75	80	81	72	90	2	889	.....	CLASS XII. (Females.)	56	9	15	103	145	120	81	70	57	53	31	37	27	27	22	17	7	9
....	..	..	1	....	..	...	....	...	....	.	....	..	1	Single.....	Basket-weavers.	....	..	..	....	....	....	...	....	1	....	..	..	..	..	..	..	..	..
1	..	..	..	....	..	...	....	...	....	..	....	..	1	Married....	Boarding-house keepers.	....	..	..	....	1	....	...	....	....	....	..	..	..	..	..	..	..	..
....	..	..	..	1	..	...	....	...	....	..	....	..	1	Married...	"Cabinet."	....	..	..	....	....	....	...	....	....	....	1	..	..	..	..	..	..	..
....	..	..	..	....	..	...	....		....	..	....	..	1	Married...	Carpet-weavers.	....	..	..	....	....	....	...	....	....	1	..	..	..	..	..	..	..	..
....	..	..	..	....	..	1	....	...	....	..	....	..	1	Married...	Cooks.	....	..	..	....	....	....	...	1	....	....	..	..	..	..	..	..	..	..

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1881.*

Months, 1881.													Year, 1881.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1881.																
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
1	1	1	....	....	1	2	1	1	1	1	....	..	10	Total	Domestics.	....	..		....	4	1	2	1	....	....	..	..	1	..	..	..	..	1
....	1	....	....	....	....	....	1	....	1	1	....	..	4	Married		....	..		....	1	....	1	1	....	....	..	..	1	..	..	..	..	..
1	....	1	....	....	1	1	....	1	....	....	....	..	5	Single		....	..		....	3	....	1	....	....	....	..	..	..	..	..	..	..	1
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Unknown		....	..		....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	3	1	3	1	2	3	1	2	..	16	Total	Dress-makers.	....	..		2	2	6	2	1	1	....	1	..	1	..	..	..	..	..
....	....	....	....	2	....	2	....	1	....	....	....	..	5	Married		....	..		....	....	1	1	1	1	....	..	..	1	..	..	..	..	..
....	....	....	....	1	1	1	1	1	3	1	2	..	11	Single		....	..		2	2	5	1	....	.	....	1	..	..	..	..	..	..	..
....	1	1	....	2	....	....	....	....	....	....	1	..	5	Total	Farmers' Daughters.	....	..		1	1	2	1	....	.	....	..	..	..	..	..	..	..	..
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Married		....	..		....	....	1	....	....	.	....	..	..	..	..	..	..	..	..
....	1	....	....	2	....	....	....	....	....	....	1	..	4	Single		....	..		1	1	1	1	....	.	....	..	..	..	..	..	..	..	..
....	....	4	6	4	2	1	2	1	4	7	3	..	34	Total	Farmers' Wives.	....	..		....	4	4	2	5	4	4	..	3	..	4	3	1	..	..
....	....	4	4	4	2	1	2	1	4	6	2	..	30	Married		....	..		....	4	4	2	5	4	4	..	..	..	4	2	1	..	..
....	....	....	2	....	....	....	....	....	....	1	1	..	4	Widowed		....	..	..	....	....	....	....	....	....	....	..	3	..	..	1	..	..	..
5	1	3	4	5	1	5	1	2	3	3	5	..	38	Total	Farmers.	....	..	..	8	8	4	2	1	2	1	3	1	2	3	2	1	..	..
3	1	....	2	2	1	....	....	1	....	2	2	..	14	Married		....	..	..	1	4	1	2	....	2	....	2	..	1	..	..	1	..	..
1	....	1	....	3	....	3	1	....	3	1	3	..	16	Single		....	..	..	7	4	2	....	1	....	1	..	1	..	..	..	..	..	..
1	....	2	2	....	....	1	....	....	....	....	....	..	6	Widowed		....	..	..	....	....	....	....	....	....	....	..	..	1	3	2	..	..	..
....	....	....	....	....	....	1	....	1	....	....	....	..	2	Unknown		....	..	..	....	....	1	....	....	....	....	1	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Married	Fishermens' Wives.	....	..	..	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	....	....	....	....	....	..	1	Married	Hair-dressers.	....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	....	1	..	1	Married	Hotel-keepers.	....	..	..	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..

----	----	1	----	----	----	----	----	1	----	----	----	..	2	Single.....	House-holders.	----	..	..	----	1	1	----	----	----	----	..	..	..	..	..	..	..
18	10	15	15	24	17	19	16	16	10	12	13	..	185	Total.....	Housekeepers.	----	..	2	14	28	25	15	20	14	14	10	14	6	8	7	2	4	2
14	8	9	10	18	13	12	8	13	7	7	6	..	125	Married...		----	..	..	4	12	22	10	17	14	14	9	8	1	5	5	1	1	2
3	2	3	4	3	4	4	5	2	1	3	3	..	37	Single.....		----	..	2	10	15	3	5	2	----	----	..	..	..	..	..	..	..	..
1	----	3	1	3	----	3	3	----	2	2	4	..	22	Widowed..		----	..	..	----	----	----	----	1	----	----	1	6	5	3	2	1	3	..
----	----	----	----	----	----	----	----	1	----	----	----	..	1	Unknown.		----	..	..	----	1	----	----	----	----	----	..	..	..	..	..	..	..	..
20	9	17	31	20	28	28	24	29	23	27	37	2	290	Total.....	Housewives.	----	..	..	9	47	45	40	32	25	23	13	17	10	9	6	9	2	3
19	9	14	30	17	22	24	21	29	23	24	31	2	265	Married...		----	..	..	7	46	45	39	32	21	21	11	16	9	8	6	1	..	3
1	----	----	----	1	----	----	----	----	----	1	2	..	5	Single.....		----	..	..	2	1	----	1	----	1	----	..	..	..	..	..	..	..	..
----	----	3	1	2	1	4	3	----	----	2	4	..	20	Widowed..		----	..	..	----	----	----	----	----	3	2	2	1	1	1	..	6	2	..
3	1	5	4	4	2	2	2	1	7	3	----	..	34	Total.....	House-workers.	----	..	2	13	5	5	2	1	2	2	..	..	..	..	1	1	..	..
1	----	----	----	----	----	----	1	----	2	----	----	..	4	Married...		----	..	..	----	1	----	1	1	1	----	..	..	..	..	..	..	..	..
2	1	5	2	3	2	2	1	1	4	3	----	..	26	Single.....		----	..	2	13	4	5	1	----	1	----	..	..	..	..	..	..	..	..
----	----	----	2	1	----	----	----	----	1	----	----	..	4	Widowed.		----	..	..	----	..	----	----	----	----	2	..	..	..	..	1	1	..	..
----	1	----	----	----	----	1	2	----	----	----	----	..	4	Married...	Laborers' Wives.	----	..	..	----	----	----	1	----	1	2	..	..	..	..	..	..	..	..
----	----	----	1	----	----	----	----	----	----	1	1	..	3	Total.....	Laborers.	----	..	..	1	1	----	----	----	----	----	..	..	..	1	..	..	..	..
----	----	----	----	----	----	----	----	----	----	1	----	..	1	Married...		----	..	..	----	----	----	----	----	----	----	..	..	..	1	..	..	..	..
----	----	----	----	----	----	----	----	----	----	----	1	..	1	Single.....		----	..	..	----	1	----	----	----	----	----	..	..	..	..	..	..	..	..
----	----	----	1	----	----	----	----	----	----	----	----	..	1	Unknown.		----	..	..	1	----	----	----	----	----	----	..	..	..	..	..	..	..	..
----	----	----	----	----	----	----	----	1	----	----	----	..	1	Married...	Laundresses.	----	..	..	1	----	----	----	----	----	----	..	..	..	..	..	..	..	..
1	----	1	----	1	----	----	1	----	1	----	1	..	6	Total.....	Matrons.	----	..	..	----	----	1	----	1	----	1	1	..	1	..	..	1	..	..
----	----	1	----	1	----	----	1	----	----	----	1	..	4	Married...		----	..	..	----	----	1	----	1	----	1	..	..	..	..	..	1	..	..
1	----	----	----	----	----	----	----	----	1	----	----	..	2	Widowed..		----	..	..	----	----	----	----	----	----	----	1	..	1	..	..	..	..	..
----	----	----	----	----	----	----	----	----	----	1	----	..	1	Single.....	Merchants' Daughters.	----	..	..	----	1	----	----	----	----	----	..	..	..	..	..	..	..	..
----	1	----	----	----	1	----	----	----	----	----	----	..	2	Total.....	Merchants.	----	..	..	----	----	----	1	----	----	1	..	..	..	..	..	..	..	..
----	1	----	----	----	----	----	----	----	----	----	----	..	1	Married...		----	..	..	----	----	----	1	----	----	----	..	..	..	..	..	..	..	..
----	----	----	----	----	1	----	----	----	----	----	----	..	1	Widowed..		----	..	..	----	----	----	----	----	----	1	..	..	..	..	..	..	..	..

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1881.*

Months, 1881.													Year, 1881.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1881.																
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	8'and over.	Unknown.
1	1	1	....	....	1	2	1	1	1	1	....	..	10	Total.....	Domestics.	....	..		....	4	1	2	1	....	....	..	..	1	..	..	..	..	1
....	1	....	....	....	....	....	1	....	1	1	....	..	4	Married...		....	..		....	1	....	1	1	....	....	..	..	1	..	..	..	..	..
1	....	1	....	....	1	1	....	1	....	....	....	..	5	Single.....		....	..		....	3	....	1	....	....	....	..	..	..	..	..	..	..	1
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Unknown.		....	..		....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	3	1	3	1	2	3	1	2	..	16	Total.....	Dress-makers.	....	..		2	2	6	2	1	1	....	1	..	1	..	..	..	..	..
....	....	....	....	2	....	2	....	1	....	....	....	..	5	Married...		....	..		....	....	1	1	1	1	....	..	..	1	..	..	..	..	..
....	....	....	....	1	1	1	1	1	3	1	2	..	11	Single.....		....	..		2	2	5	1	....	.	....	1	..	..	..	..	..	..	..
....	1	1	....	2	....	....	....	....	....	....	1	..	5	Total.....	Farmers' Daughters.	....	..		1	1	2	1	....	.	....	..	..	..	..	..	..	..	..
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Married...		....	..		....	....	1	....	....	.	....	..	..	..	..	..	..	..	..
....	1	....	....	2	....	....	....	....	....	....	1	..	4	Single.....		....	..		1	1	1	1	....	.	....	..	..	..	..	..	..	..	..
....	....	4	6	4	2	1	2	1	4	7	3	..	34	Total.....	Farmers' Wives.	....	..		....	4	4	2	5	4	4	..	3	..	4	3	1	..	..
....	....	4	4	4	2	1	2	1	4	6	2	..	30	Married...		....	..		....	4	4	2	5	4	4	..	..	..	4	2	1	..	..
....	....	....	2	....	....	....	....	....	....	1	1	..	4	Widowed..		....	..	..	....	....	....	....	....	....	....	..	3	..	..	1	..	..	..
5	1	3	4	5	1	5	1	2	3	3	5	..	38	Total.....	Farmers.	....	..	..	8	8	4	2	1	2	1	3	1	2	3	2	1	..	..
3	1	....	2	2	1	....	....	1	....	2	2	..	14	Married...		....	..	..	1	4	1	2	....	2	....	2	..	1	..	..	1	..	..
1	....	1	....	3	....	3	1	....	3	1	3	..	16	Single.....		....	..	..	7	4	2	....	1	....	1	..	1	..	..	..	..	..	..
1	....	2	2	....	....	1	....	....	....	....	....	..	6	Widowed..		....	..	..	....	....	....	....	....	....	....	..	..	1	3	2	..	..	..
....	....	....	....	....	....	1	....	1	....	....	....	..	2	Unknown.		....	..	..	....	....	1	....	....	....	....	1	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Married...	Fishermens' Wives.	....	..	..	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	....	....	....	....	....	..	1	Married...	Hair-dressers.	....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	....	1	..	1	Married...	Hotel-keepers.	....	..	..	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..

----	----	1	----	----	----	----	----	1	----	----	----	--	2	Single.....	House-holders.	----	--	--	----	1	1	----	----	----	----	--	--	--	--	--	--	--	--
18	10	15	15	24	17	19	16	16	10	12	13	--	185	Total.....	Housekeepers.	----	--	2	14	28	25	15	20	14	14	10	14	6	8	7	2	4	2
14	8	9	10	18	13	12	8	13	7	7	6	--	125	Married...		----	--	--	4	12	22	10	17	14	14	9	8	1	5	5	1	1	2
3	2	3	4	3	4	4	5	2	1	3	3	--	37	Single.....		----	--	2	10	15	3	5	2	----	----	--	--	--	--	--	--	--	--
1	----	3	1	3	----	3	3	----	2	2	4	--	22	Widowed..		----	--	--	----	----	----	----	1	----	----	1	6	5	3	2	1	3	--
----	----	----	----	----	----	----	----	1	----	----	----	--	1	Unknown.		----	--	--	----	1	----	----	----	----	----	--	--	--	--	--	--	--	--
20	9	17	31	20	28	28	24	29	23	27	37	2	290	Total.....	Housewives.	----	--	--	9	47	45	40	32	25	23	13	17	10	9	6	9	2	3
19	9	14	30	17	22	24	21	29	23	24	31	2	265	Married...		----	--	--	7	46	45	39	32	21	21	11	16	9	8	6	1	--	3
1	----	----	----	1	----	----	----	----	----	1	2	--	5	Single.....		----	--	--	2	1	----	1	----	1	----	--	--	--	--	--	--	--	--
----	----	3	1	2	1	4	3	----	----	2	4	--	20	Widowed..		----	--	--	----	----	----	----	----	3	2	2	1	1	1	--	6	2	--
3	1	5	4	4	2	2	2	1	7	3	----	--	34	Total.....	House-workers.	----	--	2	13	5	5	2	1	2	2	--	--	--	--	1	1	--	--
1	----	----	----	----	----	----	1	----	2	----	----	--	4	Married...		----	--	--	----	1	----	1	1	1	----	--	--	--	--	--	--	--	--
2	1	5	2	3	2	2	1	1	4	3	----	--	26	Single.....		----	--	2	13	4	5	1	----	1	----	--	--	--	--	--	--	--	--
----	----	----	2	1	----	----	----	----	1	----	----	--	4	Widowed.		----	--	--	----	--	----	----	----	----	2	--	--	--	--	1	1	--	--
----	1	----	----	----	----	1	2	----	----	----	----	--	4	Married...	Laborers' Wives.	----	--	--	----	----	----	1	----	1	2	--	--	--	--	--	--	--	--
----	----	----	1	----	----	----	----	----	----	1	1	--	3	Total.....	Laborers.	----	--	--	1	1	----	----	----	----	----	--	--	--	1	--	--	--	--
----	----	----	----	----	----	----	----	----	----	1	----	--	1	Married...		----	--	--	----	----	----	----	----	----	----	--	--	--	1	--	--	--	--
----	----	----	----	----	----	----	----	----	----	----	1	--	1	Single.....		----	--	--	----	1	----	----	----	----	----	--	--	--	--	--	--	--	--
----	----	----	1	----	----	----	----	----	----	----	----	--	1	Unknown.		----	--	--	1	----	----	----	----	----	----	--	--	--	--	--	--	--	--
----	----	----	----	----	----	----	----	1	----	----	----	--	1	Married...	Laundresses.	----	--	--	1	----	----	----	----	----	----	--	--	--	--	--	--	--	--
1	----	1	----	1	----	----	1	----	1	----	1	--	6	Total.....	Matrons.	----	--	--	----	----	1	----	1	----	1	1	--	1	--	--	1	--	--
----	----	1	----	1	----	----	1	----	----	----	1	--	4	Married...		----	--	--	----	----	1	----	1	----	1	--	--	--	--	--	1	--	--
1	----	----	----	----	----	----	----	----	1	----	----	--	2	Widowed..		----	--	--	----	----	----	----	----	----	----	1	--	1	--	--	--	--	--
----	----	----	----	----	----	----	----	----	----	1	----	--	1	Single.....	Merchants' Daughters.	----	--	--	----	1	----	----	----	----	----	--	--	--	--	--	--	--	--
----	1	----	----	----	1	----	----	----	----	----	----	--	2	Total.....	Merchants.	----	--	--	----	----	----	1	----	----	1	--	--	--	--	--	--	--	--
----	1	----	----	----	----	----	----	----	----	----	----	--	1	Married...		----	--	--	----	----	----	1	----	----	----	--	--	--	--	--	--	--	--
----	----	----	----	----	1	----	----	----	----	----	----	--	1	Widowed..		----	--	--	----	----	----	----	----	----	1	--	--	--	--	--	--	--	--

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1881.*

Months, 1881.													Year, 1881.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1881.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Married...	Millers' Wives.	....	..	..	....	.	....	1	....	....	....	..	..	..	..	..	..	..	..
....	1	....	1	....	3	....	....	2	....	....	....	..	7	Single.....	Milliners.	....	..	..	1	4	2	....	....	....	....	..	..	..	..	..	..	..	..
1	....	....	....	....	....	....	....	....	....	....	1	..	2	Single.....	Music Teachers.	....	..	..	....	1	1	....	....	....	....	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	....	....	1	1	....	..	3	Total.....	Nurses.	....	..	..	1	.	....	....	1	....	....	..	..	..	..	..	..	1	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Single.....		....	..	..	1	.	....	....	....	....	....	..	..	..	..	..	..	..	..
....	1	....	....	....	....	....	....	....	1	....	....	..	2	Widowed.		....	..	..	....	.	....	....	1	....	....	..	..	..	..	..	..	1	..
....	1	1	....	....	....	1	....	....	....	1	....	..	4	Total.....	Paupers.	....	..	..	....	1	1	....	....	....	1	..	..	1	..	..	..	..	..
....	1	1	....	....	....	....	....	....	....	....	....	..	2	Married...		....	..	..	....	.	1	....	....	....	1	..	..	..	..	..	..	..	..
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Single.....		....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Widowed..		....	..	..	....	.	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Single.....	Rag-pickers.	....	..	..	1	.	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	1	1	....	....	....	....	....	....	....	....	..	2	Total.....	Retired.	....	..	..	....	.	....	....	....	....	....	..	..	1	..	1	..	..	..
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Married...		....	..	..	....	.	....	....	....	....	....	..	..	..	1	..	..	..	..
....	....	....	1	....	....	....	....	....	....	....	....	..	1	Widowed.		....	..	..	....	.	....	....	....	....	....	..	..	..	..	..	1	..	..
....	1	....	1	1	....	....	2	....	1	....	....	..	6	Total.....	Seamstresses.	....	..	..	....	2	....	....	....	....	2	..	..	1	..	..	..	..	1
....	....	....	....	....	....	....	1	....	....	....	....	..	1	Married...		....	..	..	....	.	....	....	....	....	1	..	..	..	..	..	.	.	..
....	1	....	1	1	....	....	1	....	1	....	....	..	5	Single.....		....	..	..	....	2	....	....	....	....	1	..	..	1	..	..	..	..	1
1	3	2	2	1	2	1	1	3	2	1	2	..	21	Total.....	Servants.	....	..	..	8	11	....	2	....	....	....	..	..	..	..	..	..	..	..
1	3	2	2	1	2	1	1	2	2	1	2	..	20	Single.....		....	..	..	8	10	....	2	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	1	....	....	....	..	1	Unknown.		....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	....	1	..	1	Single.....	Sisters of Mercy.	....	..	..	1	.	....	....	....	....	....	..	..	..	..	..	..	..	..

1	1	1	....	2	....	....	1	2	3	....	....	..	11	Single.....	Students.	....	..	2	8	1	....	..	.	....	....	..	..		..	..		..
....	....	....	....	....	....	1	1	....	....	....	2	..	4	Total.....	Tailoresses.	....	..	..	....	..	....	1	1	....	2	..	..		..	..		..
....	....	....	....	....	....	1	....	....	....	....	1	..	2	Married...		....	..	..	....	..	....	1	.	....	1	..	..		..	..		..
....	....	....	....	....	....	....	1	....	....	....	1	..	2	Single.....		....	..	..	....	..	....	.	1	....	1	..	..		..	..		..
....	4	1	4	2	1	1	4	2	4	1	1	..	25	Total.....	Teachers.	....	..	..	6	8	8	2	.	....	....	1	..	..	..	..		..
....	1	....	....	....	....	....	....	....	1	....	....	..	2	Married...		....	..	..	....	..	....	1	.	....	....	1	..	..	..	..		..
....	2	1	4	2	1	1	4	2	3	1	1	..	22	Single.....		....	..	..	6	8	8	.	.	....	....	..	..	..	..	..		..
....	1	....	....	....	....	....	....	....	....	....	....	..	1	Widowed.		....	..	..	....	....	....	1	.	....		..	..	..	..	..		..
10	11	10	9	16	10	7	15	15	18	9	18	..	148	Total.....	Unemployed.	56	9	9	28	13	12	5	3	1		1	1	3	..	3		2
....	1	2	2	1	2	....	2	3	1	1	2	..	17	Married...		....	..	..	1	6	4	3	1	....		..	..	..	..	..		1
8	10	7	7	13	7	7	12	12	17	7	14	..	121	Single.....		56	9	9	27	7	7	2	.	1		..	..	2	..	..		1
2	....	1	....	2	1	....	1	....	....	1	2	..	10	Widowed..		....	..	..	....	....	1	.	2	....		1	1	1	..	3		..
....	....	....	....	....	....	....	....	....	....	1	1	..	2	Widowed..	Washer-women.	....	..	..	....	....	....	.	.	1		..	..	1	..	..		..
....	....	....	....	....	....	....	....	1	....	....	....	..	1	Married...	Weavers' Wives.	....	..	..	....	....	....	1	....	....		..	..	..	..	..		..
1	....	....	1	2	4	1	1	....	....	1	....	..	11	Married...	Wives.	....	..	..	....	1	1	1	2	3		..	1	..	1	..		..

EXHIBIT Q.—*The Average Age of the Inhabitants of Michigan, of both Sexes, of each Sex, and the difference between the Sexes, for All Returned as having Died from Consumptian during the Years 1871 to 1881, inclusive, for all returned as having died from All Causes during the years 1871 to 1881, inclusive; as shown by the Registration Returns; for All Aged 20 and Over whose Ages and Occupations were stated in the Registration Returns of Deaths for the Years 1871 to 1881 inclusive, and for the Native and Foreign-born Inhabitants Returned as having Died during the Years 1871 to 1881 inclusive.*

	Year Ending:	Average Age in Years and Hundredths of a Year.			
		Total.	Males.	Females.	Excess, Males.
Deaths, as shown by Registration Returns	Dec. 31, 1871.	25.63	26.78	24.50	2.28
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		51.44	52.79	46.45	6.34
Deaths, as shown by Registration Returns	Dec. 31, 1872.	24.17	25.69	23.17	1.92
Deaths from Consumption, by Registration Returns		35.05	39.10	31.19	7.91
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		50.73	51.90	47.08	4.82
All who died aged 20 years and over, as shown by Registration Returns		49.72	51.67	47.42	4.25
Deaths, as shown by Registration Returns	Dec. 31, 1873.	31.20	31.95	30.14	1.81
Deaths of Native-born Inhabitants, as shown by Registration Returns		27.25	27.76	26.71	1.05
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		43.87	40.68	42.35	-1.67
Deaths from Consumption, by Registration Returns		37.81	40.20	35.77	4.43
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		50.17	56.51	48.27	8.24
All who died aged 20 years and over, as shown by Registration Returns		49.87	51.48	47.66	3.82
Deaths, as shown by Registration Returns	Dec. 31, 1874.	25.33	25.78	24.09	.83
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.26	23.99	20.25	3.74
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		47.15	47.99	46.13	1.86
Deaths from Consumption, by Registration Returns		36.48	39.90	33.44	6.46
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		50.77	52.70	48.23	4.47
All who died aged 20 years and over, as shown by Registration Returns		50.89	52.84	48.72	4.12
Deaths, as shown by Registration Returns	Dec. 31, 1875.	25.32	26.31	24.36	1.95
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.17	20.73	19.88	.85
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		46.90	48.68	44.49	4.19
Deaths from Consumption, by Registration Returns		35.77	38.19	33.58	4.61
All aged 20 and over, whose Occupations were stated in Registration Returns of Deaths		51.07	53.29	47.87	5.42
All who died aged 20 years and over, as shown by Registration Returns		50.65	52.79	48.06	4.73
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		50.63	53.86	47.61	6.25
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		50.77	52.37	48.54	3.83
Deaths, as shown by Registration Returns	Dec. 31, 1876.	25.83	26.79	25.04	1.75
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.86	21.34	20.60	.74
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		47.33	48.91	46.68	2.23
Deaths from Consumption, by Registration Returns		35.70	40.20	33.40	6.80
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		51.93	54.00	49.89	4.11
All who died aged 20 years and over, as shown by Registration Returns		51.94	53.91	49.83	4.08
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.09	54.46	48.92	5.54
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		52.25	53.70	51.96	1.74

EXHIBIT Q.—CONTINUED.

	Year Ending:	Average Age in Years and Hundredths of a Year.			
		Total.	Males.	Females.	Excess, Males.
Deaths, as shown by Registration Returns	Dec. 31, 1877.	25.89	26.44	25.44	1.00
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.30	20.22	20.57	-.35
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		49.31	50.31	48.00	2.31
Deaths from Consumption, by Registration Returns		36.34	39.42	33.94	5.48
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		51.71	53.89	49.55	4.34
All who died aged 20 years and over, as shown by Registration Returns		51.88	54.03	49.65	4.38
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.25	54.13	48.43	5.70
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		53.01	53.95	51.78	2.17
Deaths as shown by Registration Returns	Dec. 31, 1878.	26.41	26.99	25.99	1.00
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.74	21.20	21.10	.10
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		49.75	50.96	48.85	2.11
Deaths from Consumption, by Registration Returns		36.67	40.95	33.25	7.70
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		52.45	54.21	50.41	3.80
All who died aged 20 years and over, as shown by Registration Returns		52.40	54.17	50.57	3.60
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.01	54.20	49.57	4.63
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		53.84	54.88	53.15	1.73
Deaths as shown by Registration Returns	Dec. 31, 1879.	25.76	26.31	25.28	1.03
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.07	19.94	20.32	-.38
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		49.55	49.21	47.17	2.04
Deaths from Consumption, by Registration Returns		35.99	39.30	33.12	6.18
All Aged 20 and over whose occupations were stated in Registration Returns of Deaths		52.29	54.73	49.42	5.31
All who died aged 20 years and over, as shown by Registration Returns		52.46	54.67	50.05	4.62
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.24	54.19	48.43	5.76
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		54.23	52.76	52.86	-.10
Deaths, as shown by Registration Returns	Dec. 31, 1880.	25.45	26.06	24.88	1.18
Deaths of Native-born Inhabitants, as shown by Registration Returns		19.74	19.73	19.89	—.16
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		47.72	48.93	45.04	3.89
Deaths from Consumption, by Registration Returns		35.16	38.09	32.67	5.42
All aged 20 and over whose Occupations were stated in Registration Returns of Deaths		52.40	53.59	50.50	3.09
All who died aged 20 years and over, as shown by Registration Returns		52.50	54.23	50.52	3.71
Deaths of Native born Inhabitants, aged 20 years and over, as shown by Registration Returns		51.54	53.84	49.20	4.64
Deaths of Foreign-born Inhabitants, aged 20 years and over, as shown by Registration Returns		54.13	55.05	51.60	3.45
Deaths, as shown by Registration Returns	Dec. 31, 1881.	24.08	24.55	23.70	.85
Deaths of Native-born Inhabitants, as shown by Registration Returns		18.86	18.74	19.14	-.40
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		45.43	46.03	44.66	1.37
Deaths from Consumption, by Registration Returns		35.88	37.04	33.93	3.11
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		51.61	53.12	49.90	3.22
All who died aged 20 years and over, as shown by Registration Returns		51.35	52.60	49.90	2.70
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		50.37	52.38	48.31	4.07
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		52.76	52.80	52.74	.06

OCCUPATIONS.

The relation of deaths to occupations in Michigan cannot be traced with the most satisfactory degree of accuracy. The cause of this is the fact that individuals in this country seldom continue at one occupation any considerable time. In Europe the subject is much better studied, generations often remaining at a particular occupation.

Table XXIX., however, shows some interesting facts. Among the classes, cultivators of the earth are returned as having the greatest average duration of life.

TABLE XXIX.—*Exhibiting the Number and the Aggregate and Average Ages of All Decedents in Michigan Aged 20 Years and Over, and of those whose Occupations were not Specified; also, by Classified Occupations, the Number and Aggregate and Average Ages of Decedents, Aged 20 Years and Over, whose Occupations were returned, One-half of a Year being added to Age of each Person in place of Months and Days excluded.*

Class.	OCCUPATIONS,—1881.	Number of Persons.	Age in Years and 100ths.	
			Aggregate.	Average.
	ALL AGED 20 YEARS AND OVER	7,926	409,099.00	51.61
	ALL SPECIFIED OCCUPATIONS,—AGED 20 YEARS AND OVER.	7,042	364,165.00	51.71
	OCCUPATIONS UNSPECIFIED,—AGED 20 YEARS AND OVER	884	44,934.00	50.83
I.	CULTIVATORS OF THE EARTH	1,879	110,358.00	58.73
II.	ACTIVE MECHANICS ABROAD	211	11,095.00	52.56
III.	ACTIVE MECHANICS IN SHOPS	237	13,620.50	57.47
IV.	INACTIVE MECHANICS IN SHOPS	132	6,577.50	49.83
V.	LABORERS,—NO SPECIAL TRADES	716	30,494.50	42.59
VI.	AGENTS, LABORERS ABROAD, ETC.	156	7,006.50	44.91
VII.	SEAFARING MEN	32	1,298.00	40.56
VIII.	SOLDIERS	3	119.00	39.67
IX.	BUSINESS MEN	247	11,719.50	47.45
X.	PROFESSIONAL MEN	123	6,482.00	52.70
XI.	UNEMPLOYED	124	7,449.00	60.07
XII.	FEMALES	3,701	184,672.50	49.90
I.	CULTIVATORS OF THE EARTH	1,879	110,358.00	58.73
	Farmers	1,849	108,832.00	58.86
	Farm Laborers	8	240.00	30.00
	Farmers' Sons	3	68.00	22.67
	Fruit-growers	1	69.50	69.50
	Gardeners	17	1,075 00	63.24
	Retired Farmers	1	73.50	73.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1881.*

CLASS.	OCCUPATIONS,—1881.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
II.	ACTIVE MECHANICS ABROAD	211	11,095.00	52.58
	Brick-layers	2	105.00	52.50
	Carpenters	135	7,434.00	55.07
	Joiners	3	151.00	50.33
	Masons	21	1,141.00	54.33
	Painters	38	1,647.00	43.34
	Ship-carpenters	5	206.00	41.20
	Stone-masons	7	411.00	58.71
III.	ACTIVE MECHANICS IN SHOPS	227	13,020.50	57.47
	Bakers	6	251.00	41.83
	Basket-makers	1	100.50	100.50
	Blacksmiths	48	2,580.00	53.75
	Boiler-makers	4	133.00	33.25
	Brewers	7	326.00	46.57
	Brick-makers	2	119.00	59.50
	Broom-makers	1	50.50	50.50
	Cabinet-makers	9	405.00	45.00
	Carriage-makers	1	67.50	67.50
	Carvers	1	26.50	26.50
	Chair-makers	1	51.50	51.50
	Confectioners	3	84.00	28.00
	Cooks	4	209.00	52.25
	Coopers	21	1,213.00	57.76
	Coppersmiths	1	91.50	91.50
	Dyers	1	74.50	74.50
	Engineers	21	968.00	46.10
	Feather Renovators	1	21.50	21.50
	Finishers	2	68.00	34.00
	Foundrymen	1	28.50	28.50
	Gunsmiths	2	142.00	71.00
	Hoop-makers	1	28.50	28.50
	Machinists	15	713.00	47.53
	Marble-polishers	1	71.50	71.50
	Mechanics	27	1,527.00	56.56
	Millers	17	927.00	54.53
	Millwrights	2	138 00	69.00
	Molders	11	410.00	37.27

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1881.*

CLASS.	OCCUPATIONS,—1881.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
III.	ACTIVE MECHANICS IN SHOPS.—(Continued.)			
	Pattern-makers	3	179.00	59.67
	Plasterers	5	225.00	45.00
	Plumbers	1	24.50	24.50
	Powder-makers	10	258.00	25.80
	Saw-makers	1	70.50	70.50
	Sawyers	7	253.00	36.14
	Shingle-sawyers	1	32.50	32.50
	Show-case Makers	1	37.50	37.50
	Soap-makers	2	54.00	27.00
	Stone-cutters	4	165.00	41.25
	Stove-mounters	1	61.50	61.50
	Tanners	1	90.50	90.50
	Tinsmiths	9	325.00	36.11
	Umbrella-makers	1	62.50	62.50
	Upholsterers	3	97.00	32.33
	Wagon makers	10	500.00	50.00
	Weavers	2	153.00	76.50
	Wheelwrights	1	86.50	86.50
	Whitewashers	1	78.50	78.50
	Wood-turners	1	41.50	41.50
IV.	INACTIVE MECHANICS IN SHOPS	132	6,577.50	49.83
	Barbers	17	682.00	40.12
	Bookbinders	1	58.50	58.50
	Cigar-makers	13	410.00	31.54
	Cobblers	2	148.00	74.00
	Glass-platers	1	53.50	53.50
	Harness-makers	11	519.00	47.18
	Jewelers	7	223.00	31.86
	Lithographers	1	22.50	22.50
	Printers	10	371.00	37.10
	Saddlers	1	94.50	94.50
	Shoe-makers	42	2,604.00	62.00
	Silver-gilders	1	24.50	24.50
	Tailors	23	1,322.00	57.48
	Telegraph Operators	2	45.00	22.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1881.*

CLASS.	OCCUPATIONS,—1881.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
V.	LABORERS—NO SPECIAL TRADES	716	30,494.50	42.59
	Bridge Tenders	1	52.50	52.50
	Choppers	2	81.00	40.50
	Coal Miners	1	39.50	39.50
	Firemen	6	234.00	39.00
	Janitors	1	58.50	58.50
	Laborers	617	26,713.00	43.29
	Log-drivers	1	24.50	24.50
	Log-cutters	2	52.00	26.00
	Loggers	5	167.00	33.40
	Log-scalers	1	32.50	32.50
	Millmen	1	27.50	27.50
	Miners	65	2,562.00	39.42
	Miscellaneous	1	40.50	40.50
	Oilers in Flour Mills	1	35.50	35.50
	Porters	2	68.00	34.00
	Rivermen	1	26.50	26.50
	Saw-filers	1	54.50	54.50
	Servants	2	70.00	35.00
	Waiters	2	74.00	37.00
	Well-hands	1	22.50	22.50
	Woodsmen	2	59.00	29.50
VI.	AGENTS, LABORERS ABROAD, ETC.	156	7,006.50	44.91
	Agents	2	100.00	50.00
	Baggage-masters	1	29.50	29.50
	Bar-tenders	4	109.00	27.25
	Brakemen	7	170.00	24.29
	Butchers	17	817.00	48.06
	Commercial Travelers	4	181.00	45.25
	Conductors	5	158.00	31.60
	Deputy Sheriffs	4	191.00	47.75
	Draymen	5	276.00	55.20
	Drovers	4	234.00	58.50
	Farriers	2	126.00	63.00
	Foremen in Mills	1	41.50	41.50
	Hackmen	1	42.50	42.50
	Horse Trainers	1	52.50	52.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1881.*

CLASS.	OCCUPATIONS,—1881.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate	Average.
VI.	AGENTS, LABORERS ABROAD, ETC.—(Continued.)			
	Hostlers	1	55.50	55.50
	Hunters	3	182.00	60.67
	Liverymen	2	53.00	26.50
	Lumbermen	36	1,681.00	46.69
	Mail-carriers	1	50.50	50.50
	Milk-peddlers	2	138.00	69.00
	Night-watchmen	1	20.50	20.50
	Peddlers	10	447.00	44.70
	R. R. Agents	1	58.50	58.50
	R. R. Conductors	1	29.50	29.50
	R. R. Employes	7	295.00	42.14
	R. R. Laborers	2	46.00	23.00
	Railroaders	5	216.00	43.20
	Section Foremen	1	68.50	68.50
	Station Agents	1	29.50	29.50
	Switchmen	4	93.00	23.25
	Tallymen	1	33.50	33.50
	Teamsters	14	714.00	51.00
	Ticket Inspectors	1	45.50	45.50
	Time-keepers	1	60.50	60.50
	Toll-gate Keepers	1	74.50	74.50
	Turners	1	40.50	40.50
	Watchmen	1	43.50	43.50
VII.	SEAFARING MEN	32	1,298.00	40.56
	Boatmen	1	45.50	45.50
	Captains	1	69.50	69.50
	Deck Hands	1	35.50	35.50
	Fishermen	4	226.00	56.50
	Sailors	24	878.00	36.58
	Steamboat Captains	1	43.50	43.50
VIII.	SOLDIERS	3	119.00	39.67
IX.	BUSINESS MEN	247	11,719.50	47.45
	Accountants	1	29.50	29.50
	Bankers	8	518.00	64.75
	Bank Tellers	1	23.50	23.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1881.*

CLASS.	OCCUPATIONS,—1881.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
IX.	BUSINESS MEN—(Continued.)			
	Boarding-house Keepers	1	51.50	51.50
	Book-keepers	14	518.00	37.00
	Builders	5	351.00	70.20
	Capitalists	1	52.50	52.50
	Caring for Property	1	64.50	64.50
	Cigar Manufacturers	2	101.00	50.50
	Civil Officers	1	34.50	34.50
	Clerks	35	1,202.00	34.34
	Clothiers	2	178.00	89.00
	Collectors	1	66.50	66.50
	Commission Merchants	1	57.50	57.50
	Contractors	1	59.50	59.50
	Custom-house Officers	1	71.50	71.50
	Dealers in Second-hand Goods	1	41.50	41.50
	Deputy County Clerks	1	49.50	49.50
	Drapers	1	87.50	87.50
	Druggists	9	336.00	37.33
	Ex-County Treasurers	1	47.50	47.50
	Expressmen	2	87.00	43.50
	Furniture Dealers	1	21.50	21.50
	Grocers	19	848.00	44.63
	Hotel-keepers	18	898.00	49.89
	Insurance Agents	1	56.50	56.50
	Jobbers	1	33.50	33.50
	Justices of the Peace	2	135.00	67.50
	Lime Manufacturers	1	52.50	52.50
	Liquor Dealers	2	74.00	37.00
	Lumber Inspectors	2	71.00	35.50
	Manufacturers	4	244.00	61.00
	Merchants	57	3,029.00	53.14
	Mine Agents	1	70.50	70.50
	Notion Store	2	93.00	46.50
	Photographers	2	68 00	34.00
	Postmasters	1	29.50	29.50
	Produce Shippers	1	38.50	38.50
	Real Estate Dealers	5	319.00	63.80
	Registers of Deeds	1	33 50	33.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1881.*

Class.	OCCUPATIONS,—1881.	Number of Persons.	Age in Years and 100ths.	
			Aggregate.	Average.
IX.	BUSINESS MEN—(Continued.)			
	Retired Merchants	1	72.50	72.50
	Restaurant-keepers	3	143.00	47.67
	Salesmen	3	103.00	34.33
	Saloon-keepers	15	649.00	43.27
	Sash and Blind Manufacturers	1	25.50	25.50
	Secretaries	1	45.50	45.50
	Shingle Manufacturers	3	111.00	37.00
	Speculators	1	41.50	41.50
	State Officers	1	45.50	45.50
	Superintendents of Mines	1	35.50	35.50
	U. S. Marshals	1	62.50	62.50
	Water Cures	1	63.50	63.50
	Wool Buyers	1	80.50	80.50
	Woolen Manufacturers	2	98.00	49.00
X.	PROFESSIONAL MEN	128	6,482.00	52.70
	Actors	1	77.50	77.50
	Architects	1	62.50	62.50
	Artists	4	166.00	41.50
	Civil Engineers	1	41.50	41.50
	Dentists	1	65.50	65.50
	Editors	2	101.00	50.50
	Lawyers	20	1,091.00	54.55
	Ministers	22	1,316.00	59.82
	Musicians	3	133.00	44.33
	Music Teachers	3	145.00	48.33
	Physicians	31	1,752.00	56.52
	Priests	1	95.50	95.50
	Professors	1	78.50	78.50
	Reporters	1	22.50	22.50
	Retired Physicians	1	71.50	71.50
	Students	5	116.00	23.20
	Surgeons	1	54.50	54.50
	Surveyors	1	73.50	73.50
	Teachers	19	771.00	40.58
	Veterinary Surgeons	4	248.00	62.00

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1881.*

CLASS.	OCCUPATIONS,—1881.	Number of Persons.	AGE IN YEARS AND 100ths. Aggregate.	Average.
XI.	UNEMPLOYED	124	7,449.00	60.07
	Paupers	8	507.00	63.38
	Pensioners	1	63.50	63.50
	Retired	10	716.00	71.60
	Tramps	1	46.50	46.50
	Unemployed	104	6,116.00	58.81
	Unknown	365	18,207.00	49.88
XII.	FEMALES	3,701	184,672.50	49.90
	Artists	1	84.50	84.50
	"At Home"	1	20.50	20.50
	Bankers	1	51.50	51.50
	Basket-weavers	1	42.50	42.50
	Boarding	1	77.50	77.50
	Boarding-house Keepers	3	134.00	44.67
	"Cabinet"	1	51.50	51.50
	Carpenters	2	91.00	45.50
	Carpet Weavers	1	46.50	46.50
	Cigar-makers	1	31.50	31.50
	Clerks	1	33.50	33.50
	Conductors' Wives	1	36.50	36.50
	Cooks	7	329.00	47.00
	Coopers	1	75.50	75.50
	Domestics	40	1,512.00	37.80
	Dress-makers	29	1,043.00	35.97
	Factory-girls	1	26.50	26.50
	Farmers	184	10,493.00	57.03
	Farmers' Daughters	8	215.00	26.88
	Farmers' Wives	160	8,232.00	51.45
	Fishermen's Wives	1	42.50	42.50
	Fruit Growers' Wives	1	50.50	50.50
	Hair-dressers	1	29.50	29.50
	Housekeepers	835	43,378.00	51.95
	Housewives	1,270	60,893.00	47.95
	House-workers	103	4,821.00	46.81
	Hotel-keepers	3	137.00	45.67
	Hotel-keepers' Wives	1	46.50	46.50
	Laborers	20	1,015.00	0.75

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1881.*

CLASS.	OCCUPATIONS,—1881.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
XII.	FEMALES—(Continued.)			
	Laborers' Daughters	1	23.50	23.50
	Laborers' Wives	12	571.00	47.58
	Landladies	1	36.50	36.50
	Lawyers' Wives	1	65.50	65.50
	Life Insurance Agents	1	47.50	47.50
	Masons	1	79.50	79.50
	Matrons	14	729.00	52.07
	Mechanics' Wives	2	56.00	28.00
	Merchants	3	154.00	51.33
	Merchants' Daughters	1	20.50	20.50
	Merchants' Wives	3	171.00	57.00
	Millers	1	59.50	59.50
	Millers' Wives	1	33.50	33.50
	Milliners	16	504.00	31.50
	Miners	1	35.50	35.50
	Music Teachers	1	20.50	20.50
	Nurses	6	295.00	49.17
	Paupers	7	244.00	34.86
	Physicians	1	74.50	74.50
	Retired	3	235.00	78.50
	Sailors' Daughters	1	26.50	26.50
	Seamstresses	13	692.00	53.23
	Students	3	71.00	23.67
	Servants	37	1,074.00	29.03
	Shoe-makers' Wives	1	80.50	80.50
	Tailoresses	12	731.00	60.92
	Teachers	37	1,073.00	29.00
	Telegraph Operators	2	46.00	23.00
	Unemployed	258	14,727.00	57.08
	Unknown	519	26,727.00	51.50
	Washer-women	3	174.00	58.00
	Weavers	7	463.00	66.14
	Weavers' Wives	1	31.50	31.50
	Widows	1	56.50	56.50
	Wives	49	2,204.00	44.96

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